	Name	No.	ID	Range	Range	Accession Numbers
	HVVC38	446	101183 0	1 - 2523	15 - 2537	AI809245, AA861130, BE829949, AI150004, BE829975, AI207976, F27565, BF681536, W84725, BF370619, AA862808, BF032041, BE315336, AA513949, BE830018, BE717580, AI879934, AA548446, AW025105, AI734829, AV711872, BF837012, BE889962, AV358546, BF351489, AA923636, BF055820, BE830022, AA313635, BE717590, BE717606, AA526344, AW516646, AA522485, BE829984, BE830060, BF676487, BF677204, BE829977, BE829972, BF667831, H87273, AA749507, AI581538, BE771230, BG253855, BE818309, AA383342, BE004358, AI719475, BE354757, BE833655, N91718, BE829164, BF348938, BF699876, BE837027, BF914006, BE765905, T24667, F28659, BE174387, AA639928, AA664863, BF031412, BE717558, W78880, F37904, F29279, AA86263, BE311612, N83913, BE836986, AV700430, AI525669, AI110185, Z83843, AI290947, AI271158, and AI171666. BE410209, BE409948, BG115320, BE722135, BE275865, BE544451, BE247077, BF979132, BE276854, AI76191, AW190208, BF842485, BE552236, BE407430, AI401546, BF207408, BE91042, AW612622, BG000629, AV959204, AI135649, AI948809, AI209141, BE044454, BF768377, AI089727, AW389835, AA741117, AW054865, BE243221, BE512837, AW007188, AW024964, AW197517, AW192474, AI371883, AW732035, AI346775, BE273254, AI076529, AI086805, AI394074, BG113199, AI380843, AI613247, AI222796, BF112100, BF917505, BF842478, AW297124, AI523975, BE673122, BE502167, AW014930, AI655264, AA724818, BE243746, AI597975, AW470765, AI026618, BF923223, AA431124, AI684019, AW989704, AI862536, R51174, AA452620, AI285301, AI380975, AI380856, AI984759, AW295559, R35336, BE349571, R60756, BE503804, AW292516, BE247138, AI682541, BF923222, BG008918, N35451, AI302839, AW917488, W25150, H99364, AI972215, AI424358, BE243306, BE244991, AA937518, R48089, BE243647, R12836, AI262500, AI223148, BE242440, AW073337, R48082, BF815490, AW080459, AA576239, N33546, BE246434, AI954045, BE221690, AI809326, R46107, AW449766, AI054417, AW516184, BE247092, AA889557, AI799922, AI828634, BE242990, AW243116, AU127369, AI537699, AI867400, BF594684, AA514442, BE242999, AI553721, R60757, AI763211, AA322140, AI761010, BF510682, AW263306, AI763100, AW451349, R51058, AA470619, N24660, AI589437, BF315855, BE243714, AW000862, BF316405, AW960495, BF311549, BF347151, BE261173, BE672153, AA316823, R46448, R20746, BE260700, AA359340, AA995140, BE382562, BE707810, AI695433, BF948344, AI638588, AI638588, R20746, BE246720, BE260234, AI934023, BE262038, BF83098, I41023, AW103559, AA354191, N93298, BE387142, BF206973, BF313395, R48998, BE241996, BF981535, BE241927, AW244155, BF984035, BF314395, BF973669, AA344952, BF761447, BF313034, BE261859, AA937240, Z40608, BE382532, AI31600, AF22474I, U8884, Z67743, Z67744, and AF063100.
	HPAMV22	447	101184 0	1 - 518	15 - 532	AW16712R, BG230566, AW000822, AI521137, and S78079.
	HE9CP86	448	101184 1	1 - 924	15 - 938	BE619589, BE778001, BG179191, AI990409, BE787128, AI056896, BF032589, BF210574,

		7		
HPDOU46	449	101188 3	15 - 947 1 - 933	BE779660, AI200949, BE619066, BF977514, AW953735, AI337884, BE778227, BE908473, BF978672, BF038980, BF692240, BF209481, AW100443, BF210193, AW055339, AV718164, BF791503, BF183862, AA491567, AA046828, AA093357, AI023297, BF034241, AV682017, AW512478, AI125234, AA004609, AW527295, AI733426, AW250547, AA910576, AI377004, BF688001, AA046871, AI090522, AI791736, BE565759, AI032574, BE963828, AI140513, AI355194, AI146665, AA972188, AA985450, AA643701, N42784, N30911, AA938964, AV695444, N58077, BF103965, BF690859, AA005074, II59617, AA505790, N57685, AI807795, N55023, AV740591, N41842, AI078181, H59658, AI079135, AI672631, H13146, H90608, H75736, AI808881, H58325, H67713, AA807988, N32135, AA004517, N77541, AA705231, H13147, H83720, N64292, BE708941, AW249886, H75871, AA460432, N56775, N30598, N77212, H58714, BE777991, BI928234, AW176655, AA368114, AA379597, H64100, AW376078, T76922, D60596, AA622435, H90512, T97029, BE075971, AA263084, AW067367, AA864550, N56803, BF089228, AV727151, BF089219, AA993476, AA922842, AA004600, D19848, AW795927, AW434401, AA968872, AW582860, AV708762, AA285312, U74656, AF161499, AK000504, AF160215, AK008258, and AB025951.
HFCDW73	450	101190 1	15 - 717 1 - 703	AA885514, AW571544, AI925136, AV751974, AA934359, AI336032, AI818811, AW292295, N5268, W25222, AR038157, AC008860, and AC016612. BE612411, BF306028, BE295311, BF309599, BG114475, AW410748, BG178760, BF339804, AW839643, W01259, BE018592, and AK000376.
HOVEB13	451	101191 9	15 - 1375 1 - 1361	BG031307, AW957996, BE299537, AA928779, AI685200, AA576884, AW514270, AI218215, AI809292, AI355487, AW082223, AW263592, AW152614, AA424504, AI265774, BG236438, AW070728, BE789393, AA933972, BG058626, AA927905, BE788048, AA707564, AI921682, AI431416, N30148, AA132983, AI085684, AI225124, W40249, AI630792, W60086, AA563939, BE326510, H68849, AA127446, AA135149, AA127445, W53030, AW58274, H80062, AA302211, AI240532, BF515623, H69149, AA224773, AA897766, AI589066, AA595935, BE734169, AA609608, AW606716, AV969337, AA969535, AI694323, R10513, AL045971, AA576883, BE349394, AW665349, AA969327, AW708068, BF970768, BF338002, A284509, BE785868, AW993256, AI860774, BG027280, BF904265, BI910373, AW148363, BG029667, AI633125, AL120853, AA433157, AI702073, AV762488, BF970768, BF338002, A284509, BE785868, AV757012, AL514721, BG113299, AI866127, AL514731, BF814420, BF812961, AI801325, AI434256, AW827276, BF038131, AI500662, AI818569, BG166654, AI269862, BF795712, BG257535, BE963035, BF527014, BG110517, AL513807, AW772536, BG029829, BG249582, BG252929, AW169653, BF970449, AI539771, BF047852, BF338723, BF876033, BF885490, AL036780, AI364788, AI537677, AI521560, AI500659, AI274759, BE880182, BF812960, AW827289, BF032768, AI500523, BF812438, BF812934, BF339322, BE874713, BF970652, AI284517, AI500706, BF816042, BD47952, AI445237, AI491776, AW151138, AI633493, AI284513, AI500901, AL513687, AI921248, AI677796, AL110306, BG031815, AI929108,

A16620284, BFR14450, BF97017I, BG032208, AV743631, BF038469, BE887488, AL042377, BE904178, AL513913, BF856052, BG164575, AI538385, AI866573, AW026882, AI433976, BF885000, AI888118, AL513597, BF965621, BF982059, AW082113, AI872423, AL045500, BE047737, BF971016, BG108288, AL513991, BG251840, AW082113, AI872423, AL045500, BE047737, BG179993, BG026428, BE886728, BG036846, BF814447, BF924869, BE895585, AI859991, AW162194, BE875407, AL117452, AK024798, AL133260, AL049694, AP000080, AL136317, AL137070, AL162083, AK024538, AF090903, AL137459, I4897B, AK026528, AL117585, AR011880, I89947, A08916, AK023591, AK026542, AL122118, AI130075, AL389982, AF130099, AF31409I, AL117460, AF130059, AL359601, A08913, AF114170, AF078844, AL050149, AK026762, AL442082, AF116691, AK027204, AF017152, AK000618, I8993I, AFI32205, AL13308I, AF079032, ZB2022, A08910, AX026824, AX026823, A58524, A58523, AR087170, AK026583, AL133560, AFI13689, A08909, X70685, AL050138, AL050093, AF11663I, A03736, AJ006417, AL122116, AFI13019, AFI19099, AK025084, AK026784, AL133557, AL162062, I48979, AL050108, AL117394, AF116682, AF116639, AF118094, AB052191, AL133080, AK026959, AF119909, AE242189, AF138361, AL359941, AFI13677, AB048953, AX005848, AX005804, AL117457, I66342, A12297, S61953, AX040958, AL122049, Y16645, AFI77336, AX040974, AK025092, AK025573, AL110221, AL050116, AK026927, AF177401, AFI30110, AK024524, AL049452, AL049382, AK025435, AFI13013, AF090901, AK026855, AFI13690, AK027113, AL162008, A65341, AL110196, AK026353, AL122050, AK026947, AFI83393, AL359618, AK025772, AL389939, AF146568, U42766, AF079765, AX019230, AF218031, Y11587, AL13747B, AK025339, AL353957, AF11851, AK000083, AK026592, AX006092, B07361, AF090934, AF017437, AF118070, U67958, AL049314, Z72491, AFI11847, AL157431, AL353940, S68736, AL050277, AF091084, AF090943, AL137557, AK026532, X82434, AK027006, AB041801, AFI30077, AL137294, AF090900, AFI16649, AFI25948, AFI58248, AL110225, AL353956, AB051158, AL137294, AL133565, AX019229, AK026532, X82434, AK027006, AB041801, AFI30077, AL137294, AL359596, AL117583, AK026741, AF130092, X84490, AL117649, AFI16602, AB052200, I09499, AK000391, AL13072, AF081195, AL080124, AFI1112, A93016, AK000652, AFI19875, AK025967, AK000137, AF210052, AR059958, AJ238278, AF130087, E07108, A08912, X63574, AK26534, AK026865, AL080060, AK026647, AFI1688, Y11254, AK026045, AK026744, AF079763, AFI30105, AK027164, AL133075, AL050146, AL13113, AL122123, AB034701, AR038854, AB019565, AL137480, AL162002, AFI13694, AF097996, AB048964, AK026480, AJ000937, AK000432, I33392, AFI19871, AF225424, AL162006, AK027213, AB047904, AK026630, AX020124, AL096744, AL137533, AFI16644, AF321617, AL117435, AL12121, U72620, X81464, E03348, AL133093, A2J42859, AL137550, AL122098, S7R214, AFI13691, AK027116, AL390167, AFI30104, AK026504, and AFI06862.

					Accessions
HPAM593	452	101194 8	1-4502	15-4516	BG026454, AU136698, AA776842, AV707577, AV705003, AV706119, AV704393, BG112983, BF791105, BE501811, AI743650, AI671708, AI816789, AA723646, BE885350, AI636006, AW021004, AV726053, BF671148, AV593546, BG249128, AW168299, AW665425, BF240936, BF692672, AA928542, AW950765, BE881258, AA846553, AI979064, AA742232, AW439829, AA449108, AA473197, BF695261, BE858197, AW134486, AA902878, BE546728, BF574789, AU152945, AI381912, AI684433, BF056144, AI139359, AI554413, BF381601, AI150427, AU157987, AW969822, AI424982, AW995211, BF351582, AA506295, BF209677, BE565044, AI088749, AI10443, AW512634, AA970921, AI359188, AA764772, AA827252, AA058552, AI362408, AW072743, AA766122, AI695798, AU157615, AW262974, BE835401, AA742318, AI623928, AA766577, AA513825, BF570645, AI394370, N51644, AI707846, AV721192, AI16421, AI348599, AA126385, AU155502, R78671, N59337, AU138435, R76132, AI63201, AA633541, T28713, AW103272, BE501987, R71309, AU313133, BF988802, N77145, R38553, AA084680, AW292597, R71256, AA053304, BE892939, AI474643, AV707777, AA346362, Z19210, BF800195, BE933905, AA970905, BE221948, H11501, AI121134, AA541406, AA373725, AV725851, AA348237, BF094439, R78631, AU139383, AA356852, R6921, BF086129, BE241955, D54215, AV721047, R42939, BE173266, AA344236, BE708094, BG109183, C00707, AA081650, F00029, AI669168, R25602, AI352064, R76083, BE835431, AU122860, F10470, BE501204, BE241571, R26998, AU134565, BE893499, BE244866, BF914011, AW237144, AI817847, AI968300, BE811282, BE878743, BF852756, BE241491, BF699184, BE708399, BE172638, AA879066, and M71089
HCRBN71	453	101196 6	1-681	15-695	AA159119, AA195013, BF680123, BE219252, AA738440, BE540300, AI703457, AI183309, AA243291, AA243401, AI191561, AI292346, AI306531, AI817119, AI038422, BF211661, AI091896, AW051480, AA976687, AA243441, AI348605, AW051242, AI246250, AA989100, BF058616, AA831493, AA252613, AA459659, AA459782, BF570879, AI076966, AI784681, AA053732, AA931640, and AI383295.
HCRNC60	454	101200 5	1-2294	15-2308	AI527016, AI521200, AI524479, AI527060, BE734447, BG253129, AI521201, BF689091, BF965518, BF688892, BG166242, BG120159, AW007680, BG252573, BG027017, AI027899, BG250439, BG034762, BG028233, AL046964, BF668663, AA573191, BG250944, BE536319, BG250019, AI048451, AI98336R, AI609925, AI391636, AW130457, BM01872, BG034695, AA925662, BG122085, AA524480, BG170360, BG121606, AI45752, BG121507, AA577112, AW513478, BF930780, BG034823, BE30283, AI41475, BE537945, AW874680, BG109535, AI655191, BE378060, AW769155, AI620523, AW95670, BF037587, AI690135, BF476375, BG273976, AW016285, BE273565, AA613365, AI51694, BG117073, AI624237, AI818796, BG251134, BU03414, AI697379, BE539090, AA506219, BE206559, AI516993, AU148176, AI748875, BE835356, AW19411, AA599544, BF921054, AU150378, AI436129, AA599412, BG118864, AA863094, AI687746, AU088772, AU075672, AI149159, AI766187, AA976487,

| HSPSJ24 | 455 | 101206 4 | 1 - 1316 | 15 - 1330 | AI635119, AI587506, AU145303, AI610105, AW579433, AA481771, AA075727, AA182032, AI074869, AA652941, AW029339, BE504380, W52521, AI133597, AW251080, BE906785, AW020650, C75307, AW089491, AI755252, AA485345, AI144343, AU146091, BF058107, AI077647, AW000392, BE208415, BG251224, AI223808, AI570985, BF930770, AI.538312, AI754030, AU152450, BG121265, AI363400, AA449447, AA996250, BF817541, BG121843, AA071489, AA075778, AI832514, BF920992, AA576307, AW602058, BE835428, BE390409, AI668842, AA666134, BG121491, AI460155, AI763041, AW022290, BG026504, BE673214, AI970897, AA047403, AI088214, AA099872, AA548449, BF439853, AA533785, AI284855, BF841193, AL533394, AW014043, BE645964, AI810752, AI676086, AA036839, BE407089, AW008300, AA026364, AW026706, BF576954, AA603975, AW016424, AW868784, AA136374, AI270288, AW020004, W51870, BE835423, BF576171, W48802, AV702417, AH00352, AA036782, BG109283, AI146865, AI569917, AA158137, AI891011, AI362430, AI923482, AA133600, W49802, AI282476, AI553921, AA126441, AW732530, AI146893, W0.436, BE744977, AI183506, BE746589, AA580887, AI023045, T11706, AA127710, AI095383, BE537332, AA133601, AW839205, AI620196, W46542, AA757994, BG119412, W44614, BE908914, BG253091, BG120375, W39465, AI668962, AA592675, AI909316, BF577061, AA532956, AI157692, AA582296, N99925, AA464871, AI188867, BF733918, W48657, AA157769, AA244378, BF811353, AW881180, AW839611, BE770073, W69962, AI869017, AW612457, AA533721, AI801717, BE812239, AI863569, AI085114, BG250322, AI459927, BE879157, BF688301, AA485500, AW581356, BE836046, BF724484, W96503, BF827959, M19715, AL050179, AI001055, M19267, X12369, Z24727, M60667, M60666, M60669, AI000147, M60668, M22479, M34136, M23764, X02411, AL358752, M26339, M19714, M19713, M17913, S78854, X66274, X64831, M34135, X02412, M23765, M34134, M15044, J00910, M36337, M32441, X04690, M17914, M18135, M16433, X57994, M69143, M16432, M69145, X16241, L02923, M15472, M69142, X16236, AF049587, X16690, T67490, T67606, T83927, T66598, T83755, R02794, R02795, R51819, R51819, M42385, M41730, H60858, H66300, H79726, N50186, N70802, N98487, W24260, W25300, W44594, W69961, AA046687, AA046797, AA047523, AA126548, AA135751, AA136288, AA161070, AA527266, AA533691, AA888457, AA994539, N84777, C01725, N86503, N87211, N89280, C02894, C04293, C04671, C04704, C04945, C05443, C05481, C05575, C05516, AA090758, AA089620, AA091667, AA093639, AA093956, AA094920, AA204927, AA216073, AA628665, AA835185, AA853133, AI224925, T19748, F13809, AI262087, A444980, AI567058, AI623830, AI619617, AI676026, AI676127, AI680055, AI688015, AI818202, AI826156, AI865486, AI802511, AI936073, AI936073, AW016295, and AW618719. AI026930, AI378815, AI922741, BF525953, AA183561, AI813985, AW575286, AW236270, AI568176, AV704102, AA833826, AW966027, AI610329, BI957805, AU155099, AI445584. |

HPCPB22	456	101207 6	1 - 540	15 - 554	AW961244, AI334017, AI079505, AW864116, AV704875, AA404652, AI286039, BF530056, AI242489, AW864106, AA291389, AI870616, AV652034, N89796, AA902569, AI919269, AA291577, AI431315, AA668836, AA872786, AI831565, AW864170, AW794584, AW864163, BF340236, T28155, AI742033, BF857432, AW864152, AA631865, AA291290, R53870, AI126682, R34002, AI333467, AA364732, AI869894, AW088986, AW374849, H55942, AA878934, AA588087, BF953364, R53821, BF360435, BF848998, BE887127, AW751621, M87503, AL136295, U51992, and U92994.
					BG167998, BE081198, AC005250, and AC006477.
HOVDZ22	457	101213 6	1 - 1190	15 - 1204	BE871201, AL079363, AI859755, AI151160, N47360, AI683204, AI827375, BI386069, AW369494, AA864845, BE770755, N56977, AA915977, AV627718, AW968202, BG252747, AA460264, AI359195, W22324, BE829260, AI082298, H37982, BG236816, AA620458, BG035923, H38203, AA991749, BF237665, BE770756, AA468461, BE704354, AI247941, AW470658, BE207909, BE829323, AI362578, BE833033, AA921753, AI867497, AI744126, AI783585, AA668493, AW451685, AL039988, BE165016, AA836177, BE693573, BF339879, AW270250, AI824219, AI216204, AI18589, AA505063, AA481160, AI123571, AI420255, AA463829, AI473334, AI54888, AA594994, AI202395, AI623088, AA50S761, AI971348, AI263558, AI384099, AA234726, BF196906, AI417107, AA160515, AI004300, AA350704, T61636, BF094163, BE398137, BE267717, BE269084, BE267516, BE398095, BE397950, BE705905, Z99396, AW976502, AI119324, BF868687, AW861944, BF868697, AW804686, AI861954, AW969885, AW604723, BE695785, AW392670, AW976982, AW973209, BF868684, AW972202, AW976213, AW079194, BE705903, AW372827, AW858526, BE705906, AI119457, AW838525, AW577135, AW975002, AW975965, AW384394, AI861889, AW858455, AW970942, AW973219, AW970889, AW974823, AW363220, AW972377, AI119497, AW975952, AW972823, AW979127, AW972845, AW971403, AW974801, AI119319, AW975876, AW975966, AW969673, AI119443, AW971968, AW973252, AI119483, AW877209, BE705904, AW976311, AW975154, AW604726, AW976023, AW969791, AI119363, U46350, AW979212, AW975037, AI119335, AI119496, BG059382, AI042614, U46341, AW979204, BG153750, AW973270, AI119484, AW970113, AI119391, AW970627, AW971387, AW972884, AW973189, AW973202, AW972695, AW973805, AW973770, AW972719, AW976515, AW975976, AW979165, AW976510, AW969818, AW971954, AW972680, AW975975, AW969984, AW972943, AW969759, AW979083, BF592735, AW970587, AW973650, AW979175, AW975646, AW973986, AW979064, AW975938, AW975016, AW975019, AW975138, AW975968, AW979021, AW969766, AW979116, AW973185, AI972806, AW973987, AW979910, AW975943, AW972689, AW972706, AW973164, AW970097, AW973824, AW971964, BF588769, AW975904, AW974379, AW969752, AW975227, AW976037, AW973718, AW973967.

HBZSK53	458	1012240	1 - 812	15 - 826	AW975933, AW973734, AW979169, AW972207, AW979176, AW972882, AW973104, AW975028, AW969782, AW970868, AW972868, AW975143, AW973985, AW973210, AW975648, AW971129, AW975971, ALL119341, AW969930, AW972864, AW969658, AW972440, AW979178, AW972883, AW979081, AW972933, AW973167, AW975162, AW979024, AW973193, AW972637, AW973750, AW971183, AW970110, AW972705, AW972827, AW973946, AR014577, AC005193, A81671, AR060234, AA279014, AR066494, and AX046357, AR023813, AR064707, AR054110, AI251859, AX030435, AB026436, and AR069079.

BF311945, AA573955, BE272773, BE563532, AI205315, AW160842, BE902005, BE261848,
AW951052, AI247509, AW160847, AW162381, BE260271, BE394195, AA15824I,
AA552227, AA682673, AA977784, AI445208, AW083990, BG16747I, AI142942, AI119661,
AA151647, BF055277, W51775, AA902783, W49523, AI831943, AA977542, AI344595,
AI350350, AW439566, AI818831, AI261413, AI991292, AI266611, AW514380, AA306292,
AI358932, AI718114, AA429579, AI423083, W80604, BE675912, AI718228, AI523860,
AI143448, AA432139, AI090465, AA954640, AI085397, AA631070, BE538110, AI363402,
AA733065, AA984904, AI660966, W48670, AI190092, BE676065, AA612812, AW104262,
AA653079, AW261940, AI223979, AI523945, AW270000, AI750115, AA978047, AI300204,
AA569148, AI129908, AA644008, AA715305, AI222391, AA032056, AI262474, AA766275,
AI309951, AA917686, AI268587, AI363403, AI266575, AI084868, AI032228, BE785787,
AA811091, AA432330, AI351920, AA918011, AA432330, AI351278, BE044385, AA876021,
AI857658, AI673477, AI768844, AI160107, W49524, AC7696, AW351509, AA748636,
BF802108, AA832382, AI978061, AA160838, BF663301, AA621587, AA627983,
AA569031, AV706578, AI343867, AA938352, W51925, AA745920, AA886173, AA455371,
AA456011, R66095, AA731749, AW905384, BF958963, W80603, AA641565, BF958968,
R7511, AA806716, AI380276, AA811186, R77585, AI032240, AI340346, AI144561,
BF001946, BF447194, AI696133, AA936222, AW381956, T28808, AW008792, AW292340,
R24242, AW296152, AI867529, AI524303, AI659130, AI672577, BF800229, AA627736,
AW169557, AA054546, W94819, AW368945, BF818801, AW368926, AI680585, AA636017,
AA054605, AI686369, AA151728, BE163318, BF063215, AI738553, BE906185, AI219206,
AA601515, AI202296, AA431125, AI972929, AA593134, AW374327, AA954620, BF800216,
AA554557, AA639642, AI810889, AI340218, AA281762, AI379209, AI351301, AA594840,
AI797854, W96037, AW451496, AW966330, AV742732, C14331, AV738340, AV741220,
AV742735, AA975618, AV718681, CI4429, AV724520, AV742048, BE744646, AV718489,
AW971541, AW973445, AW17440, AI709272, AV699550, AW753053, AV744690,
AV718692, AW964468, AV701004, AV701125, AV701166, AV701149, AV741191,
AV699922, AV752082, AV741221, T03269, AV742001, D80164, AV720791, AW949654,
AV738928, AV701154, AV720533, AW964766, CI4389, AW966053, AW951169, D59467,

HBCPH02	459	1012453	1 - 1430	15 - 1444	AW966029, AW179328, AW949630, AW964532, D59502, AW966065, AW960465, AW360811, D80038, AW966022, AW966054, AW97334, AW178893, AW966531, AW978634, AW966534, M21186, AB034193, U02477, AI295951, U18729, AF036096, M31775, M61107, AX047063, AX033851, M62818, A62298, A130649, A84916, AR018138, Y17188, AX047064, A62300, AR070327, AX047062, AX021518, A78862, AR008278, X67155, A67220, D89785, X82626, A30438, D34614, AX020191, AX027925, D26022, AJ132110, Y12724, AX035434, AX020190, A25909, AX028130, AF058696, AR087649, D88547, M62817, AB028859, X68127, U79457, A82595, A94995, AR025207, AR008443, AI294956, Y17187, I50126, I50132, I50128, I50133, AR066448, AF260572, AR016514, AR060138, A45456, Y09669, A26615, AR052274, AR074545, AB012117, AR060385, AB002449, AR066487, AR074136, A43192, A43190, AR038669, AX015396, AR074139, U46128, AR016691, AR016690, AR066490, D50010, A2E7395, A85396, AR074141, AR06482, A44171, AR088705, AX042372, I18367, A85477, AF135125, I19525, A86792, AR093385, A70867, A63261, D88507, X93549, AR008408, AR062872, D13509, AR060133, AR091537, A64136, A68321, I14842, AR054175, AR050680, AF123263, AR032065, X93535, AR008382, AA527349, AA964763, and AI141009. BE748869, BF970794, BF10709702, BF981345, BF197326, AI300552, BF219195, AW964590, AW163294, AU118237, BF107178, AW857100, BE567746, AU150552, AL046520, AW893994, BE671865, AI576741, BE465805, AU148817, BE763405, AW298504, BF836318, BF056808, AI949526, AI766147, AI620120, AI192681, AI140674, BE840892, AA368721, BF091198, AV652131, BF666129, AW663986, BF365557, AW043639, AI989546, AW337182, W78826, AI039003, AU156430, T75226, AW451577, AW293998, AW351808, AW295214, AU153154, AW803385, AA430259, AI510818, AI308083, AI671263, BE769464, AW803255, AW00392, AU156278, AA099906, AL040713, W45375, AW472691, AI872944, CI7821, BE049636, BF848474, AI696052, W57547, AI962395, N22077, AA171668, AI342101, AA099816, AA992066, AW803326, AI193330, AW005014, W04771, AI628191, AI635617, R99125, T48495, AA592987, AI934241, Z43316, F08940, H80457, H81377, D82795, AI122977, AA284696, AA284590, AW337979, AA173427, BE185818, AA955291, AI251824, AA160137, R67589, AA369820, AI364187, T35490, F12859, R35378, A369819, BF877494, BF877495, BF955988, BE769588, AA169306, R05772, AA194113, AW996501, AA001824, BE393044, AI658789, AA005018, AW996634, AW057868, AW404006, AA430050, Z40765, BI431206, W40159, AW087302, CI9047, R51240, R05858, AA693378, CI1276, AI735529, R44456, Z38249, F02058, AA002028, AW473147, AI524541, R99667, AV646092, T4852, AI873873, H90424, N75320, AA296739, AL043736, I27288, BE171992, BE748278, CI6664, BF667063, AA471687, BF545906, W28705, BE844099, W80725, AI932539, AA321790, D82809, AU136017, AI535689, AV391533, AW448998, AA76709, AV51204, AW977442, AAR25646, AI056222, AI084972, AI784081, AI696000, AA026072, AI381964, AI275012,

| IICONM62 | 460 | 101245 4 | 1 - 1884 | 15 - 1898 | A040791, R51239, AA358951, AW169508, AI825932, AA812492, AI499892, AA744552, AI830084, AI831431, AI620315, AI024424, BB162242, AW070377, AI586971, AA678774, AA856729, AK001193, AK023171, AU050092, AK022637, AK018272, and AL050376.

W18182, AL525625, AL516217, AL525577, AL516292, AL529355, AL518107, AL516216, AU141983, AA009718, BF797162, BB622593, BF688983, BF311705, BG117288, BE383732, AI935289, AI080630, AU134220, AA837568, AI680478, BE877487, BE799345, BE893825, AI951804, BE744943, BE880709, BF309943, BG170968, AI991856, BG032671, BF204389, AI418228, AI357756, BE869355, BG167780, AW514721, BF980576, BE902483, BE792330, AW001239, BF975628, BF982977, BG032139, BF690594, BF52334, BF684388, BG118865, BG167158, BE251548, BG122927, BG171316, BG259291, AL525204, AW305084, AW192510, BE541096, BF663597, BF182932, BF206116, BG163234, BG025967, BG106864, AL515477, BF97091, AA993402, BE378346, BG261021, BE874229, BE384576, AI963784, AW993556, BE547496, AW24639, BG113859, BE688592, BE512789, AW189185, AW439691, BB812374, BF205676, AW951440, BF033109, AU151473, AW245456, BE265299, BE312336, BF516503, AU151697, AU150525, BE407306, BF692367, AI762490, AU013412, N25538, AU159393, BE304333, AW296048, AA42439, BE780223, BG056169, AA604819, AU159323, BG112191, BE407298, BE812344, AU151618, AW410780, AI33681, AW468675, BG033215, BF928628, AA522716, BF755505, BE811268, BE044067, AU159742, N4545, AI922523, AI682016, AW247794, BE300178, AL525203, AI365462, AU151606, AU153392, AI951424, AW263576, AA62298, BF806870, AI989357, AI627223, AI890790, AI187155, AI371729, AA043459, AI951377, AI041776, AI159756, BE384278, BE928952, BG112278, BF596675, AA133071, AA047459, BE734100, AU120641, AW589573, BF346402, AW083362, W24389, AW072651, N76248, AA774414, AA424342, BE301090, AI075428, AI696741, AI753295, AA838037, AA548619, AA133070, AA132794, AI587117, AW197123, AA779035, BE966986, BF806863, AA088170, BE207325, AV656844, N34135, AI393008, H73708, AA47634, AI445307, BE328267, W29082, AA569485, BG009549, AA017383, BE174588, AA827611, AW779490, AA574398, AI290657, AI969487, AI084138, BE782015, AA047393, BG111353, BE812190, BF998419, AW601144, AA371969, T67525, AW874236, AI560140, BG165953, AI46641, AA226982, AA83649, AA088627, BF081730, BF525572, BE260928, BF798486, BF570004, BG250197, AA093382, BE937964, H63015, AW591486, AI370258, BE003077, AI567154, BF307874, H54695, H74223, BE909384, BF998405, N24832, AW514463, AI370348, AI174567, AA043460, BF804424, R74044, BE937910, N31758, AI376329, BF763897, AW469866, AI832887, BF994382, BF798766, AW262260, F03125, BF813431, AI026987, Z39968, AA954888, AA210678, H62386, BF745359, T19942, BG013875, BG011181, BG011075, AW952004, U22055, AB021491, AC008039, AC018662, U83883, AC006529, AI005814, Y14314, T69523, R00187, R00188, R49118, N24558, N67922, N93666, AA493178, AA531599, AA555083, AA553648, AA552531, AA63021, AA864940, |

HOGEU69	461	1012459	1 - 1076	AA908334, AA077821, AA077944, AA078391, AA078647, AA626147, AA653365, D19637, AI668896, AI691128, AI695498, AI783587, and AW085897.
			15 - 1090	AI041834, AU131484, AI200980, AU131609, AI523472, BF035100, BG260098, BE906446, BF679739, BF312184, AA916757, BF786938, BF907375, BE582435, BG104553, AW003381, BE541116, BG251041, AA489052, BE042721, N25127, BF109620, AL119362, AA575865, AI814469, N23048, AI188945, AW194097, AA814140, AA991228, AI828232, AA044782, BE252873, AW193148, AI085157, BE147999, AI022397, AI189984, AA724929, AI351066, AI056076, AA938240, AA996103, BE018234, AA280782, AA488800, AI087074, AI199451, AI128165, AA262090, AU138117, AW591232, AI355359, AI356853, AA524527, AI360277, AA033520, AA280788, N20582, AA559009, AA676465, AI088598, AI311465, AI354780, WI5234, AW46384, AI914929, AA508033, AW081777, W37433, I99944, AA034194, W39240, AI750152, AI040726, H99681, N28443, W37434, AA508041, BE010703, AI095133, AA508696, W38448, AI891015, H99648, N24439, N28712, AA969522, AA508060, BH130256, AW886258, AW886126, BE83921, AI266525, AA935334, AW886221, N94573, AA446386, HP5004, AA825415, AI149761, BE092707, N25807, AA229348, AA825216, N28974, AV708464, AA228658, AI538053, AI372872, H99558, AV709572, AA040692, AA878281, R20044, AA508042, AV713109, BE242250, AA040691, R53806, R14634, N57352, BF95115, W30063, H99287, N79830, AA044805, AI040016, AW768986, AL036353, AA043927, AA351987, AL134232, AW998436, N27404, AA223132, N29420, AW029461, AI289949, AA423964, AA126593, N29428, BG170431, N57360, AI749508, AA039508, AI083617, BF916002, AW798880, BE932959, AA127239, BE932960, AA423965, H23023, BE092701, AI686200, M74090, AR019525, M73547, AC008356, U28168, and D55682.
HVVBD93	462	1012469	1 - 1081	BF738428, BE622930, BE382815, BE728140, BE273270, BE253146, AW975614, AI828072, BE622113, BE740360, BE256369, BE513955, AL049117, AW246698, AI937156, BF952983, AW025197, AI569648, AA777531, AI200937, AI373492, AW082024, BE266217, BE727220, AW615439, AI131087, AW294607, AI890725, AW026504, AI955337, AA291355, BG255058, AA600477, AA213760, BE396916, R43170, BE264280, BE266305, AW088137, AW130031, AW293476, AW024648, AA725718, AA343878, AW872893, AI079160, AA691781, AI024096, BE277815, BF762401, AA714463, W04697, BG164126, AA749289, BF312230, AW173655, BF311310, AW872898, R72214, BE275756, R72173, BG035135, T81181, AA287579, AA852947, AA420773, BE273124, AI918030, AI934666, BE313702, AA287580, BE207070, D31321, BF884206, R81123, AA70587, T81446, BE737821, AI187858, AA703769, AI91961, H39080, BF206747, BF725734, AA852946, AI003595, AW196317, BE260174, AA42648, AI380772, BE295171, BE264554, AW009932, AI014898, AI699193, AA403296, BF342292, BF725972, Z41538, AI686972, AI468396, BI270370, AW081691, BE263952, D31040, BF207215, BF972786, BE294861, BF089748, W31799, BE882427, BF310977, AA243386, AK025906, AK024609, AC002472, and AC007664.
			15 - 1095	

| HCOMV86 | 463 | 101248 2 | 1 - 1807 | 15 - 1821 | AA868382, AI207418, BG106534, BG176917, AW131668, BF663200, AA603100, BI663334, BF663905, BG107139, BF794643, BF974604, AW515958, BG024963, BG106095, BF976578, AW574923, AI889774, AW854143, AV70512I, AI817360, BG176945, AV705966, AW170583, BF891177, W87428, AI572923, AA417879, AV703116, AI433246, AW474013, AD20980, BG105961, AW404796, AA866201, AA622265, AA708855, AW405212, AA433215, AA419168, AW576067, BF846835, AI865230, BG024339, AI250702, AV759623, AI335036, BF874093, AW337397, AA978343, AW946904, AI224372, AV715313, AW406262, AA633257, AI831123, AW405771, AV691913, AW339958, AA679851, AI719939, BF891202, AI025871, AA634860, AV716938, AV707481, AV657580, AV714394, AA482466, AW402670, AA593830, BF884309, AI193894, BG024343, AA887979, BF377745, AI633727, AI301482, AW518174, BF868985, AW406412, AA775022, BF868701, AV717599, AW402410, AW406310, AA878538, AW406867, AI573045, W87573, AI433194, A905912, AB19482, BF891581, BF891575, BF891196, BF874104, BF891027, AI758717, AW406295, AW016654, BF963070, BF869315, AI709196, AV693491, AI887132, W37302, AW770000, AW629664, AV735238, AI344638, AW406538, AW574680, AW575138, BF874095, AV727005, AA131654, AW518347, AV713842, W01611, AA995292, AI25681, AW368560, AI306398, AW796429, AI214199, AW575231, AA954002, AI469330, AW007639, AA845737, AW403503, AI272852, AA405114, AA838023, AI523647, AA968577, AI078594, AA989677, AI864521, AW192127, AA862420, AI273233, BE041211, T89647, AV727711, W37301, AW19128, AA385676, BG232008, AW403818, AW403480, BG236461, BE246199, D57806, AI360538, I62321, BF343902, AA977287, AV763632, T65859, BE246261, BE155442, BF950596, BE569675I, AW614870, AI367085, T63635, AW576013, AI500121, AW800018, BF353789, BF858183, BF891573, AA348102, BF890947, AV734144, H92391, AW404237, AI249268, BF730961, BE155481, AA165543, AI203724, AI816964, BG025857, AI627929, AI865046, BE041320, AA113188, AA360864, AI954329, BF891068, AI934580, AA1597773, AG06233, H83811, AV689952, BF334481, BF896819, BE044123, AW969439, BG058567, BE155291, AA854297, BE696744, BG106291, AW406039, AI141141, BE696755, N70844, AW403090, W16336, BF378554, BE827807, T28717, BF891186, BE703608, AW939352, AI913770, AV654767, BF334485, AI340964, AA653838, BF360093, AA564957, AA746236, BF360078, AI865301, A34671, AI80347I, AA494554, AA652656, AV918569, AI468886, AW608229, N40858, AI49461, X00033, M34996, X00452, M26041, X00370, M20506, M33906, M29616, M17236, M29615, Z84490, Z84489, U92032, M11124, M20431, U77589, I00199, AF201297, AF201293, AF201294, AF201295, AF201296, S40624, M16995, L34082, L42625, L34086, L34083, L34084, L34085, M17237, L34352, L42407, L34088, L34089, M9433, D50045, M93431, L34087, AF037314, L34094, L34090, M29939, L33909, L34091, L34092, L34093, Y07820, M29938, Y07819, D59454, Y14022, M33305, K01923, K01922, XI4879, M17846, M17847, M15557, K01926, AF027865, AF050157, D50046, AF012768. |

HCONJ23	464	1012519	1 - 2066	15 - 2080	AR033963, K01925, M74907, M74909, M74908, Y07942, M74910, Y07944, Z26591, Y07943, M22366, AR033964, AR033962, K02815, X00455, U91907, M95170, M59802, U47858, M34999, AF100734, L12915, L12915, L12917, L12916, S69985, E01702, I40296, AF126253, M18935, AF038115, X00454, U03580, U8503, M76189, AJ130870, AF031277, L12921, M95728, U44842, U37455, U44790, U44786, L12922, M34997, M95727, V09968, U44788, U61400, U47857, L12920, L12918, X71614, X00456, M76228, X71616, U97555, AF110840, AF110843, U03675, M76212, M76218, AF110835, AF110836, M76105, M76200, AF091332, AF091336, M76194, D88626, M76199, D88643, M76207, M76225, AF110845, T6324, AA494496, AI349113, and AW337624 ALS21287, ALS21286, AU121333, BF034311, BG110423, BF982263, BG036657, BE889009, AV729379, BG168009, BG109870, BG253659, AI871993, AV658812, BF924696, BE789299, BE439392, AV705254, BE537571, BG250363, BF980701, BE788130, AV713479, BG259998, AI127415, AV714279, BF669027, BE577070, AI590917, BE882652, AV955631, AW855845, BF243381, AI435362, AU123306, AV984070, AW950649, AA767367, BF196954, AW094971, AA777629, AU152315, AW391781, AA77983, BE837794, BG032566, BE827757, AE54543, BE538940, BE717861, AI768125, BE717868, BF241607, AA426581, BE717859, AU153311, BE717848, BE827713, AU151880, BE827712, BF453369, BE717784, AL538303, AU146818, BE837746, BE827708, AW05240, AA67041, BF541036, BF197078, AA846794, AW338008, AI290479, BE717864, AI566144, BF241865, BE717766, AI697905, AI453413, AI275053, BF109919, BE837686, AA429080, BF343367, AI935821, BE830406, AA258548, AA992354, AW328118, AI538483, N23156, BE717719, AI332908, AW197265, BE302002, AU158434, BE540701, AA829064, AI435147, BE30389, AV656425, AI968065, BE717822, BE830411, AV687182, BE830409, N55086, AA476392, AI141833, AI937312, AI799494, AA448823, R93768, BE717823, C05021, AA448822, BE830419, BE830546, AI266320, BE717792, BE830393, BE717805, BE837744, BG261310, BE830457, BE33854, AA258602, BF815967, AI140691, BE30514, AA479965, W23180, AA625070, AW051979, AI188905, AW104834, BE538228, BE83051, AI022795, R41740, AI474203, AA233917, AW805520, AA478745, W90651, AI061454, BE717826, N67224, BE620125, BF204054, AW515522, AW385321, AA055196, AA93872, BF114988, BE717753, BE767225, BF447344, I98972, AI168789, AW168671, AI375094, AA344073, AW805519, AA992343, BE837650, H12151, AW834700, BE30554, BE830539, BE830558, AA055286, AI810280, AI283725, I159983, T88778, BE30459, R98882, AA33987, AV760328, N34539, AI91861, AA328975, R48616, BE30479, BF939050, R17189, AA037794, BE83056, BE837724, BF939897, BG259278, R48722, BE830559, BF057817, AI674862, BE792039, N62785, AI864068, BE830638, AI468804, T35292, BR830439, W07252, AW102978, T97604, R27615, AA303044, AA344116, AI758453, N78823, AA298049, AI864841, AI96879I, BE830403, AA234165, BE830530, AI630255, N77297, T97557, D12223, F00453, BE830454, R30849, N32736, AA812484

HVVBL04	465	1012536	1 - 656	15 - 670	AW806752, AA496911, AI634126, AW674077, AW130030, AW837149, AA497073, N79734, AI283731, AA037793, Z25072, BE837778, AW673866, AA773502, BE552362, AA732592, AU131593, AU120868, BE702815, AW293766, BF746790, AW362317, AA476442, U47077, U35835, AX006176, U34994, AR083116, AR083115, AR083114, D83786, AB007544, AB011543, D87521, U78157, U78158, AC015542, U97528, D16925, AB005214, AA113425, and AI925015.	BF969790, BE674362, AW592590, AL038838, BE937105, AL037436, AL038822, AL038761, AL040617, AL044186, AL041238, AL047012, AL044037, AL047170, AL040463, AL040576, AL041752, AL045684, AL040625, AL047219, AL044162, AL041602, AL043492, AL045817, AL040839, AL043677, AL040193, AL043467, AL040510, AL040621, AL043538, AL047064, AL043496, AL040464, AL046442, AL040553, AL038983, AL041133, AL041324, AL040322, AL041098, AL040119, AL041955, AL041096, AL041159, AL047057, AI142134, AL040075, AL039432, AL041163, AL041168, AL041292, AL038532, AL041358, AL037727, AL045753, AL041296, AL040332, AL041142, AL041346, AL041635, AL040529, AL040370, AL040745, AL046330, AL041197, AL040128, AL047036, AL040294, AL040074, AL040342, AL046327, AL041233, AL043923, AL043814, AL043845, AL039643, AL040285, AL045920, AL041277, AL041730, AL040072, AL040091, AL041523, AL043627, AL044064, AL040155, AL040052, AL041459, AL041131, AL041374, AL041577, AL134524, AL045989, AL040149, AL042135, AL046850, AL040044, AL043848, AL039744, AL040768, AL041051, AL043570, AL044199, AL040168, AL044272, AL046392, AL037343, AL046994, AL039316, AL046914, AL041086, AL037335, AL040458, AL044187, AL040148, AL045671, AL044274, AL037435, AL079878, AL044258, AL040253, AL041227, AL041347, AL044165, AL044274, AL037435, AL079878, AL041140, AL041186, AL040571, AL040238, AL042096, AL039338, AL043775, AL040090, AL041278, AL040414, AL040051, AL040238, AL039360, AL039915, AL043612, AL045857, AL044125, AL037295, AL043941, AL040082, AL043743, AL040329, AL037323, AL040255, AL040263, AW969625, AW968190, AV745951, ALO41246, AL043444, AW970540, AW970070, AV759219, AW970079, AV729746, AL042898, AV732294, AW969778, AW969911, AL037341, AV692600, AV732613, AW970076, AW970101, AW969653, AV760852, AW968212, AV761360, AV762836, AV764028, AA311523, AW970020, AV745615, AW969624, AV759241, AL049069, AW969677, AW969664, AW968207, AW970107, AW968204, AW970105, AW969848, AW969936, AW969961, AW969648, AW974805, AW968340, AW951011, AW970093, AW970118, AW969916, AW969621, AW969626, AW969926, AW969631, AW969634, AW970118, AW970074, AW970069, AW970095, AW970051, AW969652, AW970096, AW970023, AW970053, AW970122, AW968148, AW969958, AL041210, AL047037, AW969934, AV745725, AW969691, AW970003, AL045328, AW745328, AW970013, AW970054, AW970115, AW970050, AW968150, AW970082, AV763316, AW969676, AW970014, AW969651, AV745196.

HVVAF65	466	101254 2	1 - 2397	AI718272, BE172473, AW550787, AV691361, AI694578, BG165602, BE908696, AI692948, AI435139, AW952424, AI749626, AA706620, BF435793, AI457978, N30162, AW594533, AI803132, T62985, AI302429, N66853, AI202793, AA934418, BF002753, AI344483, AA137137, AA828635, AA040849, A137066, AI344480, AI970958, BE817251, AI266685, AV654372, AI934479, AA040205, AV646828, CI5337, A095042, H62021, D80729, AA602312, R96139, H65659, BF215297, BF677930, H15643, AI675539, T27662, H63016, R16219, D53162, N35776, AI49733, R67281, H72388, R16218, R96356, H61952, H72834, I62887, AA877251, H65660, F04944, BF803114, AA810796, AA079159, AA355280,
			15 - 2411	AL080031, AW968196, AV759285, AW970084, AW968147, AV723759, AW968191, AV763278, AW968200, AV746387, AV729819, AW970025, AW968126, AW970535, D26530, M90087, AR096545, AI276256, AI276254, I08396, I08395, AI276255, AX003207, I15717, I15718, AR064707, A86792, AR073846, AX001322, X83865, AI244003, AI244004, AR062871, A20702, A84772, AX021518, A43189, A84776, A43188, A84775, A20700, I18895, AX028305, A84774, AI65395, A85476, AX006821, AR067731, AR037157, AR054109, A98420, A98423, A98432, A98436, A98417, A98427, AR067732, A58522, AX006825, AX006826, A91750, AI244007, A98767, AX006822, M2826Z, AX006816, E03627, E13740, A93963, A93964, AR062872, I48927, AR062873, A81878, AI244005, AX042372, A25909, AX009487, AX026824, AX001082, AX026823, AR038855, A64973, A6021Z, A60209, A60210, I84553, AX020199, A60211, I63120, I84554, A35536, A35537, AR080470, I00632, AR017907, A58524, AR077142, A02712, E14304, AX02115, A02136, AX003488, I13349, AR067859, A77094, A77095, AI091393, AI8050, AX012337, A23334, A75888, I70384, AX033488, AX033489, AR079804, AX033490, A58523, A60011, AI2363, AX011024, AR007512, A11623, A11624, E00609, AX008555, AR088705, A95051, AX033474, AR069374, A18053, AX033486, AR095492, I05558, AX033447, I62368, AR069375, AR031566, AX009712, AFI49828, AR069650, A90655, A11178, E01007, AR038762, A11245, AX035980, I13349, A10361, I44516, I03331, AR043601, I44681, A92133, I08389, E16678, AX006823, AR093385, A02710, E12615, AX018504, AI238010, AR035193, A91965, AX032992, AX033993, A07700, AX027811, AX027809, A13392, AI031488, I13521, AX032738, I52048, I25027, A27396, AX027813, AX030369, AX030368, AR069426, AR085082, AR085089, AR085091, AR027100, I49800, I44531, I28266, Y16359, AX035462, AX042377, AR083151, AX027812, AX027810, AR091518, AX027816, AR072535, AI230902, AR093392, AX042375, AX027817, AX027818, AX027814, I21869, I26929, AX042373, A93016, AR085079, I44515, I26928, AR085083, A95117, I26930, I26927, I01995, A70040, A82653, A24783, E16636, A24782, AR095490, AR095491, AR074365, AR069494, AR000151, AR035975, AR035977, A20699, I08051, E00696, AI276253, I60241, E00697, I60242, I66485, I66487, AR093383, AX001330, E03813, AX003206, AR093384, D78345, I66482, I66483, I66484, AX004550, AX036660, and AX036661.

2013

| HCONN76 | 467 | 101254 5 | 1 - 2256 | AU121806, AI419322, AI375649, AA740857, AI923670, AU135618, BF974977, AI018493, BF972585, AV703204, AI580165, AI358951, AI949126, AI686544, AA890179, AW276428, BF974392, BF057399, BF593620, AW574807, AW384107, AV384111, AW384089, AA419530, AW384094, AA457042, AW378570, AV384086, AI689293, AW273393, AI610786, AI421949, AW954203, BF740135, AW305511, AAE2678l, AI148159, AA143789, AI243289, AI093096, AU147786, AA928572, AI094995, BF971481, AU154441, AA593863, AI991650, AA974953, AA630151, AW241907, AA487958, AU147378, AA112842, AI289031, AU148064, AA262949, AI187750, AA477235, AU152719, AI192762, AA291508, AA853410, AU147554, AA410900, AI275426, W63575, AI346888, AA975468, AI031872, AA149698, AA858199, AW090334, AA765920, AI347761, AI027390, AI734036, AA233688, N35403, AA233694, AI524762, AW169347, AI393690, AA233668, AW408537, N31876, BF683137, AI347762, AA232871, AI968983, AA233653, W49782, AA425969, AI961848, AW470581, N23975, AI218887, AI142748, AI379185, AA134943, AA053202, AA053111, AW360883, AI167537, AA514209, T60073, H61837, AA904089, AA127822, N30725, AI581987, AW802186, AA456886, AA426260, BF739150, AA456006, AU156178, AA127870, BF432078, AI468773, AA866246, AA587601, BF737239, BE710654, AA405416, BE699641, AW07821, AI263749, AI201949, AI419601, AA954886, AA193638, AA402922, AA306005, AI000822, AA411349, AI150890, W48763, AI074634, AI382743, AW376350, AA477236, AA366868, N36466, AW794580, N25748, AW749051, AA295337, T28945, AW802239, AA295418, T99843, N98766, AW790065, BE886694, N48037, AA304560, AA000402, R35815, AW748384, AW390099, W30997, AI460116, AA303818, AW505188, AI915251, BG055292, AA128000, AA115020, AA421890, AA487959, AA304120, AA370424, F01957, AW793017, BF379088, AA151896, AW236287, R00415, BE243368, AA702709, AI559797, AI953687, AV699166, N41337, AW880777, AA294897, AA307162, F05704, BF115416, BF908893, BF925691, AW496798, AI825370, AI953746, CD2666, BF953388, AI361869, AW371607, R74116, AI28097, BF129208, AU121592, H61838, AU133022, AW403738, BF974893, BE005171, BF836392, AA004322, AI865200, BF739143, AU122119, AA525968, AI432644, AI663302, AW059878, AI43653, AA521365, AW969217, AW081103, R88402, AA387544, AI431307, AH31316, BI893692, AI32654, AI43238, AI42650, AI134524, AI119457, BE880000, BG028055, BE782316, BE877515, BG024493, M30817, M33882, M65087, |
| | | | 15 - 2270 | AV472734, AI312541, AA430973, I99768, AA331080, N52509, BF92468l, T80777, AA347258, AA004323, AA136971, AA025214, H80906, T63236, H62002, H62577, AA359052, AA328422, I62510, AA00410, H61487, AA079158, AW237586, BF868434, BE834056, T71911, AI611706, AA026003, AW748653, AA377017, W44421, AW605658, AA137080, BE091328, T81178, AA532656, H11642, BF958447, T24666, BE937737, W03725, X71440, S69189, U07866, I02752, AB034914, U03267, U03264, U03266, U03268, U03265, U03263, T66677, and T66678. |

HVVAF56	468	101256 8	1 - 1907	15 - 1921
			U55216, U88329, AF239823, AF047692, X66093, M12279, I08491, M21038, I08492, AP001609, AP001610, AL16285, AL442167, AC005612, AF135187, M21039, L35671, L35673, L35666, L35672, L35667, L35668, L35665, L35664, L35662, L35663, M21116, AL133015, L13297, AL133053, AL133049, AF081195, AL080126, AF217991, AL122101, L0533, AK025209, AK026746, E12580, AL139615, AK024533, AX014095, U00763, AL096720, AL117394, AJ004832, AL137554, AK026647, AL049339, AL161802, AK024588, AX040958, AX040974, XS2128, U30290, AC005723, U01145, AL133084, AL122049, AL133070, AL049423, AK026541, AB048881, AK024974, AF155148, AF200416, AF054988, E12579, AF118558, AJ003118, AL117644, AK026322, AF19373, AL133629, AL133076, AK026374, AK000636, AB048910, D44497, AF119871, AL117582, AF260566, AF019238, AK026600, AL137463, X61049, AL122050, AF142672, AL35938, AL137459, AK000212, AL133074, AL133558, E13998, X99717, AC004987, AK000655, U72620, AF159141, Z30970, AF267994, AR038834, AF097996, A30330, A30331, X97332, AU162002, AL157480, AX046716, AL050277, AF155656, AL110225, AF265236, AK000618, U72621, E08516, I00734, AL117445, AL080124, S61953, E12388, AF207750, AK026533, AF117959, AF131773, AL117438, AK026021, AL135713, AK000421, AF116646, AF205861, AL133608, AR068466, AL137294, and AL162062.	AL514054, AL537008, AL532603, AL535940, AL538399, AL529001, AL529002, AL537022, AL515506, BE748601, BE379647, BE856256, AI745675, AL538398, AL515505, AI718655, BG109288, BG106676, BP967665, BG254245, BP967445, BF276963, BG029254, BG241051, BE883878, BG029156, AI718665, BE880488, AL515399, AW239191, BF697586, BF666823, AL514053, BF669209, BE834020, AI628483, AV717613, AW170524, BE380120, BE748186, BF799917, AW664448, BE885331, BG116480, AW965398, BF978100, BF666698, AV733960, AI744093, AW951553, AI766591, BF572884, BF184368, BF576290, BF74061, AI972750, BF698691, BF218148, BE380074, BF627257, BF696654, BF185121, AI671368, BF699714, AI651178, AW338334, BF184985, AI491969, AA506351, BF671044, AI887192, BF000141, AL538204, BF185179, BE091061, BF103713, BF244535, AA479280, AA527565, BF691787, BE538280, AI453749, AA617680, BF509619, AA479375, AV965970, AW880520, BF240551, AW880512, BE538506, BE883435, BE564099, BE585873, AA489078, BF699134, BF679492, BF694899, AA292851, BF691104, AA148518, N57541, AW338167, AL515506, BF32517, BF697822, BF185037, BF681165, AI241342, AV968660, AA398752, AW601531, BF207851, BF978006, AW630103, AI629010, BF211123, AI809824, AA729569, AL538205, AA700576, AL515400, BF185504, AI28533, AI28314, BF68156, BF218929, BF184023, AI340156, AI278410, AA488831, BF132590, AA490516, AI879719, AA88T318, AI084319, BF572822, AA506418, AI095818, AI291825, AA733156, AI1126177, AW297453, BF678475, AI304744, BEI69675, AA991500, AI28123, AA488792, AA659090, AA215332, BF699920, AA730676, AI276733, AI049785, BF216046, BF239649, AW552077, BF375287, AA214556, AI857748,

HODEG95	469	101259 9	1 - 735	15 - 749	BF132513, AW380458, BE767045, AA129434, AA405567, H29484, AI206869, AA405608, AI587665, AW002784, AW896075, BF211007, AA781522, BF219126, BF216214, BF883694, AI568974, BF700121, AA687838, H29485, AA430084, AV709857, W07806, AA592932, BF699962, BF239824, AW071088, BF676479, BF678734, BF676697, BF696108, BE777635, AA160174, BE570836, BF210700, BF697125, AI241469, AI879340, BF669874, AI206850, AI564873, BF768371, AA552139, AW103107, AI984457, AW272731, AW380661, AA704300, AI150263, AA634570, AW578691, W47359, BF209973, BE931713, BE843058, BE762449, AA043964, BE843070, W90498, BFI84264, AA570725, AV761299, AAI60173, BE843069, AW064031, AW391542, AW393146, BE967492, AW370985, BE843060, AW391587, AA043951, AA888142, BF699768, BF219006, AA430183, AI439434, AW319113, BF741205, BEI75856, AW751124, AI630087, AW391582, AI521531, AI340157, BF210220, BF666183, AW391569, BE698325, AA916620, J04205, X13697, X69804, M20328, X14684, X13698, X97869, L00993, X67859, X91337, AC00554, X91338, X91336, ALI61449, AC008127, AC005B4, AX026125, Z35127, M35262, L08230, I01069, M35263, Z57754, D28394, Z59822, AF201938, AK00I31, M55261, AFI61482, R44167, R44167, H71054, HI71568, N66452, N68053, N79436, W47360, AA001253, AA037248, AA037603, AA133832, AA156648, AA213544, AA490517, AA514745, AA556811, AA092608, AA094423, AA206724, AA210985, AA471178, AA852111, AA971815, AI032717, AI291096, AI678387, AW074389, AW168116, and AW194935. AV706891, AV707794, AV702857, AV694231, AV728309, AV705290, AV762633, AV702172, AV955724, AV755959, AV759295, AV718260, AV70777, AV76340I, AV764379, AV762098, AV761107, AV711465, AV955841, AV762067, AV764051, AV763276, AV711535, AV759149, AV762973, AV709273, AV759340, AV764176, AV763457, AV964064, AV96349, AV759766, AW953953, AV759660, AV733749, AV761524, AW963592, AW962006, AV763178, AV759437, AV763439, AV713243, AV762870, AW957644, AV964213, AV764329, AV706410, AV759919, AV755512, AV962942, AV761904, AV763417, AV759967, AW962264, AV760725, AV755435, AV761127, AV762754, AV763558, AV762015, AV729411, AW962136, AW962444, AV732986, AV759191, AV762393, AV72869, AV764228, AV759557, AV761714, AV759199, AV729657, AV761862, AV760106, AV703998, AV763388, AV729947, AV711430, AW961606, AV711404, AV762730, AV762852, AV759290, AV707230, AV759503, AV760721, AV734600, AW956077, AV761273, AV733830, AV761653, AV760371, AV764230, AW958318, AV760508, AV759929, AV706814, AV759112, AV763684, AV759541, AV735132, AV961593, AV734859, AV764078, AV763418, AV762009, AV757642, AV759972, AV760230, AV764034, AV759417, AV762059, AV762242, AV757526, AW962713, AV759507, AW963895, AV759675, AV652936, AV710733, AV755677, AV759359, AV758355, AV755020, AV762898, AV714057,

AV759185, AV755893, AV760133, AV762687, AV762397, AV725237, AV760908,
AV763410, AV764047, AV760039, AV761279, AV759935, AV703187, AW950748,
AV728632, AV734915, AV735210, AW963349, AV734311, AV705525, AW966634,
AV728841, AV761362, AV718287, AV729272, AV756702, AV759527, AV760681,
AV760634, AV762223, AV648591, AV762351, AV727589, AV702109, AV758067,
AV683012, AV763775, AV764657, AV735950, AV733732, AV762879, AV761778,
AV734855, AW960468, AV701499, AV709970, AV762843, AV728792, AW963552,
AV706025, AV762706, AV703137, AV760579, AV713822, AV764056, AV725558,
AW966759, AV760714, AV710695, AV759322, AV764334, AV962441, AV734997,
AV722143, AV704497, AV759142, AV761022, AV728609, AV760042, AV761351,
AV728425, AV764314, AV756426, AV701613, AV725095, AV764465, AV764444,
AV760481, AV760488, AV755654, AV707043, AV755881, AV753484, AV709897,
AV762373, AV701844, AW963625, AV706448, AV764495, AV761972, AV704740,
AW965463, AW963497, AV733239, AV725423, AV760557, AV733289, AV759517,
AV732980, AV758896, AV757369, AV764102, AV759267, AV759345, AV703460,
AV763670, AW965749, AV710839, AV761412, AV762768, AV760898, AW956640,
AV764460, AV702463, AV761843, AW967328, AV703844, AV760081, AV758870,
AV759689, AX001082, AU078594, AL135744, AX005484, AL022165, Z98051, AC011462,
ALO31368, ALO31311, AR038762, AC007488, U91318, AL049643, AC008551, AC007842,
ALI22020, AC005300, AC005914, AC009542, AF134471, AC009330, AC016395, AF017104,
ALI21601, AC003042, AC005015, AC009086, AC003070, AC005049, AC007666, AC003104,
AC005933, ALO49840, AC004847, AC010102, AC000052, AC013434, AC008745, AC005037,
ALI21952, AC006468, AC010618, AC002091, AC008521, AP000510, Z98036, AC011450,
ALI21586, AC011500, AC005052, AC004491, AC018639, AC084732, AC004938, AC006254,
AC004089, AC005088, AC008753, AC002430, AC006348, U52111, AC008403, AC005274,
AC003007, ALO22320, AC007384, AF001549, AC005282, AC020945, U47924, AC003101,
ALI09743, ALI33230, AC004913, AC008569, AP001711, ALO22323, AC011490, AR074484,
AC004962, ALI54720, Z84469, ALO21939, M63796, ALI62390, AC008581, ALO49776, Z97632,
ALI33243, ALO50338, AC010126, AC010605, ALI33355, AC006581, ALO49776, Z97632,
AC007546, ALI33174, AL008718, AC011895, AP001725, ALI32713, AC008760, AC004150,
AC005369, ALI53804, AC010724, AF107885, AC005257, AC004846, AC005578, ALI21753,
AC005632, ALI09935, AC005899, AC005522, ALI09984, AC002314, AF165926, AC010358,
AC004983, ALI39384, ALI36139, AC058791, AC027319, AC023105, AC004166, AC009756,
AC005412, AP001717, ALI09840, AC011494, AC006210, ALO23553, ALI17337, M74900,
AC005597, AC007695, AC004815, ALI33836, AC008543, AC005261, AC004967, AC083874,
U15177, AC008750, AP001725, AC083863, AJ246003, AC004752, AC002312, AC008892,
ALI60033, ALI36532, AC025811, ALI33260, ALI61670, X76498, AC006071, ALI39039,

| HCOOX52 | 470 | 101260 / 0 | 1 - 1976 | 15 - 1990 |

Accession numbers:

AC005969, AC008784, AC008762, ALI36438, AL355916, AC007405, AC002115, U73628, AC004813, AC016995, AL031594, AC005480, U95740, 295114, AP001727, AC008443, AL049843, AC005527, AC002565, AF030453, AL078583, U91326, ALI21658, AP000514, AC010352, AC002544, AFI95953, AC011495, AC007216, ALI22069, L44140, AC020663, ALI21868, AC025588, ALI61903, ALI21891, AC007404, AC004386, AC006080, AC008009, 295115, Z85986, and AFI68787.

AL531502, AL531710, AL531501, ALI93084, AUI26412, BF330075, AUI19468, AI583972, ALI44541, BF570103, AUI26159, AI620596, AI061637, AI684238, AW001470, AI935170, AUI27320, BE645524, AI862761, AW514327, AW008194, AI922452, AI819747, BE710069, AWI90852, AI814192, BF725435, AW514871, AUI37600, AI831409, AV693669, AI685022, AI672194, AW083113, BF941230, AI935136, AA501844, ALI04713, AV653605, AW662075, AWI29447, AI818236, AI935126, AW874552, AI669352, BF569459, BF437103, AW780004, AUI34025, AI696895, AI963345, AUI35999, ALI34647, AW008125, BE677081, BF674009, BE839418, BF063741, AI935352, AI814468, AI634956, AI888476, AW029345, BEI38840, AW008148, AW439713, AI446104, AW191051, BF724219, AI569954, BE439457, AI889800, AI493899, AV687305, AW008241, BE047146, AI683843, AW591879, BEI38827, AA433876, BE773049, AI623427, W67868, AUI26448, AWI30997, BE773013, AI064722, AW839930, AI829387, AI805767, AI885490, BE839409, AI038921, BF083224, BF726055, AI983182, BF725351, BF725636, AI453770, W63782, AI814781, AA481438, AA057510, AA291852, BE839363, AA588303, BF725601, AA056153, AW375493, BE839377, BF375755, W52853, AA459088, AA020914, AW951907, AA216572, AI279128, ALS31709, AI096952, AI336068, ALS54795, AUI34654, AW516718, BE772982, AI863895, BG006581, AI818477, AA419914, BE773047, AI951361, AA404506, AA725630, AI859304, AA047024, ALI33195, AW375482, AW057883, AA577496, AA423794, AW375513, AWI18261, AW37514, AA419040, AW339467, AI768140, AI801629, AA491981, AA847236, BF887876, AW375483, AW375502, AI365975, AI075014, AI971082, AI199600, BE674533, AA479889, AA51I3436, AW170357, AUI29847, BF945744, AI934297, AI360825, AA291730, AV733182, AI346003, BG000297, AI079413, AUI45804, BF725787, ATI49948, AA559045, AI873723, D58691, AI356781, AA595280, AA485313, AI587598, AA487965, AI401747, BE644631, AA428478, AI832252, BF725699, AA047442, W16893, AA070565, AI34189, AA227477, AA861322, CI7872, AW589359, AI802572, AW338688, AW388662, AWI99434, AA995852, AI270507, BR841518, AI089382, AI201579, AI024034, II29954, AW370152, W47174, AL534094, BF951244, AI633766, AW388664, AA012898, BF374803, R99187, AW388656, AA656309, AV710284, AI659977, AI078730, BF949331, AI940185, N58261, AWI34700, BE697198, V94467, V96351, AAI92879, AA970473, AI803846, AWI32345, AI880563, W24156, AA487964, W45038, W26828, AI567216, BF870898, W47433, W27581, N72915, AW438642, AA974791, AA012974, AW276791, AI360793, I63649, R96560, TS1976, AI272108, H94891,

HVVBR10	471	1012618	1 – 2252	15 – 2266	
					AW937287, BG012141, I41005, M13656, M13690, M14036, X07577, AX017859, X54486, AF010254, Y10336, U30332, M13203, M30688, X07433, X07428, M81471, S76944, X07432, X07430, X07431, X07429, AI276256, AI276234, AR096545, AI276255, AR066494, X07427, AI276253, D17247, AF052039, A93923, A93916, AI276251, A93931, A85203, AL133053, AX047064, AL133074, AL122101, I66495, I66494, I60241, I60242, I66418, I66497, I66496, I66486, I66487, AR023813, E03813, T47628, T49403, T49829, T49830, T50800, T50963, T55846, T55860, T55896, T55911, T55744, T58811, T58891, T58953, T59922, T59279, T59293, T59615, T59690, T59727, T59826, T60434, T60514, T60584, T61357, T40352, T62559, T62688, T62839, T63122, T64603, T64640, T64749, T67682, T67756, T68181, T68439, T68506, T68606, T68687, T68718, T68783, T68839, T68849, T68911, T68922, T68976, T69049, T71223, T71347, T71509, T71853, T71858, T71933, T72197, T72264, T72414, T72471, T72923, T72976, T73036, T73204, T73259, T73283, T73446, T73607, T73621, T73645, T73713, T73744, T73772, T73796, T73884, T74114, T74545, T74599, T74659, T78729, T90307, T90394, T91481, T92437, T92617, T81767, T82080, R27059, T27060, R31693, R31735, K50548, R30646, R64321, R64322, R75660, R75768, R73866, R76038, R79765, R79766, H16542, H22209, H24391, H24798, H25902, H27236, H28585, H29860, H41994, H42226, H42298, H43069, H43893, H43934, R83465, R84983, R94905, R94988, R96405, R97059, R98674, R98900, R99186, H50701, H50801, H57754, H62182, H63650, H64755, H64756, H69075, H70056, H70057, H70835, H70856, H71581, H75758, H75893, H80974, H80975, H83141, H83142, H83271, H85046, H84568, H81780, H92207, H92350, H94943, H94966, H95486, H99418, NS2264, N74134, N77638, N81021, N92261, N99137, W04350, W07850, W24443, W67635, W67759, W67881, W93706, W94183, W96352, N89587, AA019884, AA020863, AA025865, AA025866, AA044707, AA056092, AA057434, AA070445, AA503155, AA223690, AA226741, AA419341, AA428850, AA484840, AA501738, AA503369, AA557901, AA631797, AA579657, AA916128, AA934689, AA938693, AA961522, AA962490, W93758, C04665, C05275, AA019952, C21132, C21265, C18385, C19057, AA216731, AA292674, AA485470, D20767, AA853452, AA853453, AI018053, AI018101, T10940, T49402, D45439, T68256, T74489, AI262964, AI290003, AI444955, AI240915, AI636466, AI670882, AI692467, AI765358, AI699475, AI926022, AI926443, AI970985, AW079978, AW275248, AW276962, AW189624, AW193842, AW300476, AW337387, and AW440797. AL521365, AL534986, AL521008, AL534987, AU124976, AL521159, AU251116, AL536239, AL521364, AL521160, BE273395, AU134143, BF984395, AU121181, AU134472, AU124409, BF971694, BE908198, BE794827, AU119610, BG116905, BG168288, BF972306, BG295845, BG031067, BE872969, BF967432, BE882029, BG250958, BF975499, AU137954, BE621284, DG024594, AL041284, AU120134, AW954857, BG116967, BE904930, BE875141, BE256789, AU139025, BF038339, BG030846, BF446656, BE898416, BF976624, AU128650, BF306610.

BF664252, AV687354, BG235883, AV752293, AA127817, AV694808, BE881898, BF967652, AU148847, AU148734, BF238329, AU147612, BE541558, BF055376, AV698489, BF062947, AA203451, BE793832, AW956701, BE206516, BG055426, BE888777, AA527062, AA204240, AU145906, AU150903, AP91781, AA910330, AI74481, AW024318, BF434675, AU160556, AU146290, BE872667, AA121522, AI697084, BF092585, BG003919, BE019065, AI146417, AU151817, AA934456, AI356631, AA150393, AU160279, AI03958, AU078734, AI291745, AI042563, BE206889, AI458118, AU157859, AA661729, AA82798, AA224400, AW293871, AA022521, AU160744, BE244485, AW273056, AI469407, AA781963, W47049, AA706369, AA622116, AA149893, AI379716, AU122989, BF477339, BE263550, AI684211, AW803259, BE350048, AU157390, H69500, R66460, AA744735, AI421773, AI910932, H15265, N67620, AA758146, W47050, AA041349, AA740474, BF760833, BE246066, W05491, AA782788, AI285206, AH19343, H01347, AA87583I, AI672871, AA224451, R46650, W67543, AA215452, W67525, AW26364, AI59689, AI67794, AW821191, R52877, AI095657, N55565, BE244072, AI008571, AA159350, AA07908, BE536937, AV69668, AI276987, AI266444, R25298, BE838711, AI619910, AA890207, H79328, AI753559, H67625, I27088, AA041297, AI243711, H15264, AA291599, AW732032, BG252320, N94417, BE247234, BF091218, T66071, AI672983, N71148, AI244018, W01313, AA767957, W21179, H58748, AI564951, H69499, AI24698, AA852553, AA323633, AW195690, AI348151, F12254, T97443, AI36319I, R50882, N76950, AA314645, AA478407, R14786, R50762, AA169441, AW071199, BE555620, AI634319, AA307616, R21097, BF348252, AA346349, AI371507, R14626, R46270, AA852554, T35783, AI952818, BE50283, Z41761, AD55907, R19196, AA923377, AA150555, AA149894, Z46123, AA069148, R11449, AW366436, AI671450, T31852, BE243723, T65310, W01488, AI561177, AI349437, AW79877, N89683, F09881, AA573437, AW956066, AW367142, AI349433, AI470513, AI952455, AI499288, W30765, AA215527, H67090, R40098, R89174, AK022586, AX041032, AK022515, AK001088, AF263247, AF084928, AB04727, AX040958, AJ012755, AK080159, AL162002, AL117587, X80340, AL133070, Y11254, X93495, D44497, AK025092, X53587, AL137533, AF036941, AF215669, AX015425, Z82022, AX040974, I89947, AK026626, S82852, AL117416, AL117460, AL133619, AL389935, AF225424, AL133049, AK026633, AL133665, 297214, U72621, AF314091, AF119899, AL137271, AL359583, AK026038, AF119843, AK000652, A41575, AB052191, AB044547, AL080234, Z30970, AF013214, X98066, A65340, AL122104, AL137488, AL080118, U35846, AI8788, AF002985, U30290, AJ003118, AL050366, AL359941, I48978, X66862, X99257, AK027173, AK025798, AF061981, I32738, AF032666, AF260436, AR038854, AL122110, AR013797, AF14289, Z33509, AF150103, A77033, X77035, AR038969, AF177336, AL137711, S77771, AF27348, AF274347, AF044323, AL389982, AF116698, AK025015, AI8777, AK027113, X82434, AF100931, A8655B, AF118094, A65341, AF204760, AK025099, AF166267, AL137258, AB04881, AF192257,

| HVVBK78 | 472 | 101264 5 | 1 - 630 | 15 - 644 | AF218006, AB047631, AF267849, AK025465, AF102578, AJ005690, A30331, AK026464, AK025632, E01314, AF116646, U37339, AK026556, Y14314, AR020905, AF038562, AK026597, AK000614, AK026885, AK025350, U96683, AL353940, AR034821, AX015915, AF095901, S61953, AL133084, AF130055, AP030165, AF162270, AF000167, AB048975, AF011790, AL137574, AF026008, AL050138, AO026431, AL022170, AL730056, E05822, AD99431, AK024747, AL050278, AL122100, AL157433, AK024546, A30330, AK025408, AL122049, U92068, AL389983, AF183393, AK025435, AL157482, AF055917, AK025378, AL050277, AK024588, AB050411, L30117, AF111849, AK000344, AF262032, AL133010, A08910, AC006994, AF169154, A21103, A250403, A08909, AK000418, AL133640, AF118092, A08913, AK000074, U7544, AF090900, X57084, X59414, AF098162, AF116631, E12747, X62773, AF113690, AF090934, AF114170, A08908, A041801, AL137530, AL049382, AF069306, AF130100, AF119909, AK025209, AK025407, AL137536, AB047878, AK027164, AB049380, AF106697, AF047716, AL359601, M27260, A08912, AL050116, AL389947, AF260566, AF208850, AF139986, AF192401, AF192402, AF182215, M92439, A08911, Y11587, A15345, AK000450, A08907, I89931, AF067790, AF126247, AF113677, AK024992, AF119875, AB048919, AL050172, AF094480, AF137730, AF118558, AL050149, AL133062, AK025484, AL137294, AR087170, A32826, A32827, AL157483, AF116691, AK026533, AL133067, E03348, AF130066, S36676, AL133558, I33391, E03349, AB048913, AA025961, A079027, AA102175, AA143104, AA159447, AA291394, AA626253, AA757982, Z41540, AI468871, and AI613173. BE762446, BF964007, Z99396, BF868687, BE705905, AW861954, AW861944, BF868697, AW804686, AW372827, AW604723, AW392670, BF868684, BE695785, AW969818, AW858526, AW858825, AL119497, BE705903, BE705906, AW969714, AW577135, AW384394, AW861889, AW858455, AW877209, AW363220, AW969819, AL119319, AL119363, AW979212, AL119443, AW975037, AW973185, AL119496, BG059382, AW969885, AW979204, BG153750, AW604726, AW973270, AW970113, AW972884, AW973189, AW971387, AW973202, AW972695, AW973805, AW973770, AW973213, AW972719, AW976515, AW975976, AW979165, AW976510, AW971954, AW972680, AW975975, AW966884, AW973130, AW972943, AW969759, AW979083, BF592735, AW976982, AW970587, AW975876, AW973650, AW979175, AW973986, AW979064, AW975938, AW975016, AW975019, AW975138, AW975966, AW975968, AW970921, AW969766, AW979116, AW972806, AW973987, AW975910, AW975943, AW972689, AW972706, AW973164, AW970097, AW973824, AW971964, BF588769, AW975904, AW974379, AW969752, AW976037, AW973718, AW973967, AW973104, AW973734, AW979169, AW972820, AW979176, AW972382, AW973210, AW975648, AW971129, AW971403, AW970868, AW972868, AW973985, AW975210, AW973219, AW969658, AW972440, AW973309, AW975971, AW969990, AW972864, |

HVVBK73	473	101264 6	1 - 733	15 - 747	AW979178, AW972883, AW979081, AW972933, AW975167, AW979024, AW973193, AW972637, AW973750, AW971183, AW970110, AW972705, AW972827, AW973946, AW976012, AW979147, AW972823, AW979589, AW971350, AW975261, AW971367, AW972685, AW972690, AW972817, AW979294, AW972371, AW975229, AW969740, AW970978, AW971968, AW979085, AW979228, AW972699, AW979220, AW973190, AW974915, AW973088, AW975173, AW975955, AW974107, AW971429, AW969861, AW979219, AL036418, AW972808, AW973728, AW979210, AW969839, AW972212, AW972866, AW972417, AW973271, AW974338, AW975018, AW975928, AW979201, AW972837, AW975964, AW975693, AW972816, AW979090, AW969753, AW973997, AW975106, AW975168, AW974089, AW975025, AW971415, AW972711, AW973829, AW973804, AW971414, AW971413, AW975031, AW975914, AW975922, AW972710, AW973740, AW975172, AW975387, AW969913, AW973200, AW975691, AW979078, AW968351, AW973961, AW975157, AW975174, AW969815, AW975022, AW975351, AW973829, AW975112, AW970860, AW972150, AW969719, AW973825, AW979084, AW971409, AW975986, AW971096, AW971732, X75376, AI135858, Z34524, AI81671, AR060234, AI279014, AR066494, AX046357, AR023813, AR064707, AR069079, AR054110, AI251859, AX030435, and AB026436.
HCOMW35	474	101265 2	1 - 1044	15 - 1058	AI684897, AI200892, AI478735, BE561321, BF001430, BE269357, AW274694, AW798122, AI554564, AI554553, AI681112, AA576942, BF064055, BE559728, BF063173, BG057298, BE269083, AI281053, AA291322, AW661889, AI311456, BF514281, AI347538, AA291323, AA835642, AI417683, AW080290, AW015465, AW510740, AI620444, AI659037, AW977226, AA731234, AA642457, AA689434, AA731232, AI797545, AI425078, AA947102, AI280944, AA809333, AA732232, AA737649, BF055737, AI513907, AI637584, AL514919, AI515375, AI824557, AI284020, AI514627, AI701074, AI520785, AI362637, AI514357, AW198090, AI889376, AI433157, BE048071, AI513553, AI702068, AI514473, AI514691, BE018334, BF726504, AI274013, AV729336, AI514929, AW827239, AI801544, AI514063, BG180034, AI514205, AI564719, AI624279, AI513997, AI515019, AI567351, AI560099, BG249582, AI478817, AI539687, AI047763, BF726868, AI515191, AI590227, AV243820, BF793324, AI569583, AI702406, BE047737, BG112718, AI40043, AI702073, AI517381, AI538716, AL513693, BF727092, AW262565, AI514025, BF726322, AV663332, BF726451, AI514085, A925156, BG164371, AI610402, AW169671, AI515413, BE904178, AI345266, AI608956, AL513999, AL513779, AL045560, AI567993, AI513597, AW303152, AW827276, BG120816, AU139028, AU136137, AU137891, AU135546, AU138700, AU137082, BF992828, 746923, AU136711, BF992829, BG002838, BF956994, BF997301, BF997306, BF803266, BF812082, BE923910, AA299528, H04349, AJ367974, AA300047, BF086216, X78212, U11862, U11863, AC006343, M55602, and AF218035.

BF726001, AW150578, AI269862, ALO49085, BE889455, AI537677, AL514793, AV735353,
BE895585, AL514047, AI571861, BE962903, BF812960, AI554484, AI514251, AL119748,
BF726234, AI499463, AI828568, AI873644, AW087445, BE048013, BG036846, AL514155,
AI540832, BF970449, AL514983, BF812933, AI275175, BF341801, BF795712, BG257535,
AI568855, BF032768, BE047852, BF38723, BE876033, BF054877, AI433976, BG252929,
AI491852, AI539771, AL514325, BE874133, AI445237, AI554427, AI500659, AI572676,
AI500523, AW071349, AL513643, BI047738, AW168795, AL513985, AI500706, AL513631,
AI491776, AI591316, AW162071, BG179993, AI476046, AI273048, AV757279, AI254731,
BG031815, AI86831, BF038131, AI802542, BG180046, BF048179, BE963035, AI815232,
ALO39783, AI620284, AI468872, BF726297, AI499263, AI583065, BE047859, BI048319,
AI648663, AI648509, BF792469, AL135661, AI857296, AW14363, AI557940, AW168384,
BG058398, AI697321, ALO79977, BF727212, BF968205, BF812438, AL439745, BE047952,
AL513713, AI862144, BG178911, AW088793, ALO43326, BF970768, AI866608, AW151138,
AL513687, AW274192, BF527014, ALO38605, BG032208, AW084786, AI863014, AL513871,
ALO45903, BG111590, BG110259, AV755484, BE887488, BE886728, BG110517, BG251264,
BG168183, AI349004, AV682264, BF037097, AI627360, AI249257, BF868489, AI656445,
BE877769, AW268220, AR028455, U49730, X89986, U34584, ALO22237, AFI74421,
AFI74424, AFI7423, AF090900, AFI16644, I89947, AFI11847, AFI30104, AI162083,
AFI19899, X84990, AFI7442, I48979, AFI11851, AL110221, AL122050, AFI16646,
AF017152, AFI19909, A08916, AL389982, ALO80124, AI359601, ALO50116, AFI31491,
AB049758, I89931, AFI30082, ALO50277, U42766, AL13728J, AFI13677, AL133093,
AK026592, AL389978, AFI13691, I48978, AK000652, AFI13019, AX046603, AL133080,
A08913, S68736, ALO50138, AL137557, AX019230, AK025084, AB019565, AFI13676,
AK026533, AL359618, AF219137, ALO50149, AI442082, AFI13689, AF090943, AK025092,
AFI30075, AL133606, E07361, A6534I, AB041801, AK026744, AK025958, AK026927,
ALO80060, AL535940, AK026045, AX019229, AFI16639, E03348, AL117457, AI242859,
AL390167, AR055958, AK025772, AX006092, AFI58248, ALO80137, AFI19875, AF078844,
AF090896, AL137527, AFI18064, AB048964, Y11587, AFI18070, AF218014, AF207829,
AL133640, AL137459, AL133557, AL133075, AL15743I, AL122093, AL122123, AFI13013,
E02349, AFI11649, AK026865, ALO50146, AL110225, X63574, AL122121, AL027113,
AFI16688, AK027096, AFI19878, AFI16631, AK000618, AK026532, AF090903, AL133016,
ALO50393, AFI30059, AL162006, AL117460, AFI25949, AK000083, AL359941, AF106862,
A93016, S78214, AL110196, AK000445, ALO49314, AL359596, AFI30092, AFI16602,
AL117394, AL133565, AB048953, AK026583, AB047615, AK026855, AFI13699, AK000137,
AR079032, L31396, AFI46568, AFI16691, L31397, AK025452, Y16645, AK000212, U91329,
X82434, AF090934, AR087170, AK025491, ALO40452, AFI13694, AF113690, AFI04032,
AK026504, AL42072, AF091084, AL137550, AF017437, Y11254, AB048954, AK026542,

					AF125948, AF079765, AJ000937, AK026608, AK025339, AK026741, AK026784, AFI30105, AF138861, AL050108, AF090901, AK024538, AF242189, AL096744, AL049938, AL137271, AL117585, AB051158, Z82022, AL049466, AF118094, AB047904, AK026647, U72620, AL133560, AL359615, E07108, AF130066, AF225424, AR011880, A08910, AL049300, I33392, AL049464, AK027204, AZ38278, AK026947, AF117401, AK026534, AL117583, AL049430, AK026959, AF116682, U00763, AL122098, AK024524, AF119871, AL162062, AX026824, AX026823, A58824, A58523, AF097996, AF177336, AL122049, AK025967, AL049382, AL137463, A08912, AB034701, AK026353, AL117435, AF155148, AK000614, AK026086, AK025209, AF130099, AF052191, A08909, AF130087, AF260566, AL137648, AK026630, X96540, AF061943, AK000323, AK025414, AF183393, AB052200, AF271350, AL050024, AK000432, and AK026528.
HVVBJ28	475	101265 4	15 - 1950	1 - 1936	ALS3408, AL522973, AL529995, AL530141, AL526233, BE275004, AL529995, BF343867, BG256905, BE873845, AL526193, AL529394, BE868712, BE883888, BE273090, BE343725, AA399958, BE388651, BE891299, BB895693, AW96706, AA165444, AW009236, BE395414, AA017606, H29686, AA683274, AI751272, BE544783, BE671807, AA165445, AI823998, AI659213, AW270895, AW302260, AI937006, AW470682, BE968707, AV755754, AA317291, AI337198, T63207, AA393623, AW805340, AI751271, BF889263, AA401400, AW805193, AI075114, AA088644, AW002097, I62957, AA317025, AA017493, AI627659, AA400608, AW073145, AA019385, BF941438, AW271790, AA700742, AA789211, AA088225, H29600, AI760822, BE183202, AA019384, BF590759, AI284395, AI865624, D59319, BF593686, AA401401, C20664, AA677572, AI767804, AF026851, AFI51033, and AB019410.
HVVBJ45	476	101265 7	15 - 3633	1 - 3619	AUI20634, AL523893, BG116777, BE744455, BG024541, BG105634, BF526006, BE348428, BF340790, BE297483, BF795604, BG250467, AW950002, AU124855, BG177719, BG035815, AU128003, AI908284, BE382499, AA129775, BG254170, AI278893, BE747515, AI827715, AA527855, AI885559, BG027992, AI991310, BF527629, AI885197, N25675, BE222933, AU129326, W58477, AI890549, BE968759, BF983508, BE788617, AI040322, BF737414, H93013, BF344426, BE897190, AW007050, AI924625, N25714, AA446043, AW118763, AA493370, BF057508, AW873581, AI860982, AI526630, BE046501, AI912360, AW516934, AU151479, BF762977, W73794, AA496467, BE907961, AI814467, AA142925, AW362918, AL157574, AA856581, AA948060, AA043690, AI872192, AI147489, N34061, AA878451, AA844016, W58403, AI860592, A233217, AW086196, W75973, AI268108, AI141580, W73743, AD07799, W69080, AI366057, AW080051, AA028882, BF786506, AI366053, AA854778, AA564463, AI131222, AW303984, BF737413, AI033389, AA143148, AI761635, BE173636, AI280409, BF852593, AA780584, AI890510, AA977605, AA879112, AI609052, AA936565, AI274918, W23983, BF874699, A693455, AA135704, AA845282, AI679279, W99683, AA701883, AA580563, BF796619, W00612, BF738570, AI148025, N24101,

HVVAF41	477	101266 5	1 - 1389	15 - 1403	BE046321, N09149, AA580573, AA878028, H97934, AI452716, AI276001, AI205249, BE157034, W69684, AA022747, AA776239, AI287246, N67835, AI590054, AI679854, AA661643, AI223090, AI299890, W93344, AI291455, BE070639, BF89649I, W03439, H23472, N34102, F32204, BF351400, BF746828, D80794, AI362892, AW275202, F25019, AD04333, AI497686, C15433, AW592427, AA932700, N35240, AA996007, AA589112, T27788, AI094480, AA779435, AA907028, AA13271, AA826832, BF738197, F36641, AA900131, R54825, N63301, AA633217, AI22483, BF350803, R54067, AI283952, BG236818, AI278712, AW024424, AW798169, BG002205, BF923062, AA553597, R18390, AA906360, N99667, H82501, AI858927, N79418, AA894729, P27506, AI242087, W69223, AI013372, AW085841, R13418, AA643206, AA862549, BF058451, AI202000, AL134101, BF922672, T82273, AA913756, BF913659, H25666, F35305, AA574193, W70269, AA903752, AW805143, AI361227, AI370634, AW948399, H23471, R93905, AA970941, R93906, H86862, N31396, AI369579, N62519, AA496576, BF840471, W93434, AA907282, AA909669, AA910415, AA339459, AI954360, T90644, AA954277, R78965, N44906, AA028995, T52086, H26208, AA994564, AA724033, F08094, AA243121, BG226879, F23417, H23913, AA883882, W56126, F27293, AA043691, AI184060, L24123, X77366, U08853, AC004477, X84060, X78709, AF071084, AF015881, AC007544, AI388511, AC007066, AR060234, AX030435, AI251859, AX046357, AB026436, AR066494, AR054110, AI8671, AI279014, AR060979, T46910, T8317I, R40928, R42453, R47982, R48096, R42453, R40928, R78872, H08465, H25888, H26252, H28402, H45036, R83239, H50537, N34914, N46644, N68284, N71718, N80980, AA069216, AA135642, F15526, AA635678, AA738001, AA933828, AA983720, F18745, F21048, AA64442S, AA679964, AA678962, AA868384, AA884580, AI042609, Z24959, Z28666, D31210, F04334, AI269630, AI394485, AH24127, AI204905, AI208049, AI678318, AI817463, AI862984, and AW275226.
					BE748731, BE748763, BE748704, BE748542, BE738542, BE739806, BG248894, BG254845, BF793482, BE739520, BG024667, BE546206, AV764107, AV710004, BG165568, BG106140, AV653833, BE880236, BE748668, BG032118, BG119765, AL036245, BF676015, BE778251, AV710461, AW955246, BF672659, AV757407, AL036186, BE881539, BF672708, BG030502, BR699618, BF672658, BF211316, BF669231, BF666671, BG166568, AV658796, BF212420, BE748247, BG169620, BF212264, BE884781, BF667759, BF699625, BF207694, BF665900, BF777521, BF215125, BF701217, AV650138, BF574853, BF575581, BF211437, BF791257, BE566395, BF665569, BF700142, BE379886, BF668671, AV715701, AV715023, BF669152, BF666977, BF672605, BF665908, BF576266, BF212430, BF665627, BF699403, BE698941, BF699441, BF238765, BE556019, BE566225, BF207543, BF207758, BF242453, BF695572, BF665909, BF028287, BF211015, BF667649, BF677662, BF10958, BG110207, BE738197, BF668144, BF184116, BE958206, BE379971, BF028523, BF209852, BF694862, BE866755, BE739256, AA579646, BF701199, AW817835, BF667118, BF672681, BF678665, BF669842.

BF701341, BF676825, BF183834, BF028867, BF700023, BF210246, BF126255, BF789931,
BF748128, BE566246, BF576057, BF701666, BE865701, BF695426, BF239250, BF777706,
BE885758, BF699459, BF183913, BF184764, BF701638, BF666598, BF208116, BE960884,
BF243406, BF564332, BF665977, AI819587, BF185006, BF666727, BF212431, BF184385,
BE379746, BF670032, BF700399, BF574151, BF132664, BF574718, BF028617, BF697356,
BF243601, BF666477, BF933726, BF207676, BF660814, BE566345, BF029013, BF695569,
BF697726, BF700619, BF575593, BF694013, BE568213, BF698463, BF211358, BF104771,
AV652572, AI064808, BF219153, BF672369, BE865542, BF214604, BE565699, BF211686,
BF238805, BF667309, BF668965, BE565802, BE748058, BE877634, BF028249, BF495435,
BF028769, BF666425, BF672254, BF671354, BF229134, BF212316, BF668842, BF697228,
BF699064, BF574277, BF211484, BF691693, BF97324, BF666348, BE565513, BF965320,
BE866299, BF692309, BF24492, BE958167, BF032126, BF104909, BE564744, BF213040,
BF666697, BF126077, AV723194, BF540738, BF679002, BF10479, BF126336, BF184094,
BE564824, BF675641, BF695044, BF212126, BF697855, BF574182, BE563899, BF698257,
BE564270, BE566609, BF241768, BE567310, BF242926, BF670098, BF213347, BF698813,
BF668956, BE566962, BF697775, BF578032, BF977098, BF664830, AI304373, BF668182,
BF696004, BF212324, BF697539, BF670923, BF665400, BE938610, BF245020, BF673257,
BF103819, BF791049, BF748026, BF666288, BF208876, BF667833, BE961000, BF692007,
BF694312, BF697994, AB006202, AB026906, AL031234, AB035191, AC083871, AC005669,
AB035192, AC009331, AR050568, U50987, AK024382, T58874, T58934, T71736, T64987,
T67230, T67231, T79921, T86149, T86238, R23563, R31138, R32586, R32639, R37628,
R62229, R79574, R80515, H40864, R84327, R85760, R88759, R89133, R89140, R91018,
H60874, H60875, H65195, H78252, H78454, H81658, H81657, H82781, H85510, H86218,
H86649, H65195, H97337, H98039, H98938, N23966, N26261, N27927, N33298, N35386,
N40687, N44828, N51500, N53645, N72969, N94940, N95157, W02951, W19557, W21533,
W73982, AA001652, AA019753, AA01987, AA035383, AA035384, AA047823, AA047848,
AA054006, AA054014, AA152494, AA158114, AA281732, AA521192, AA594536,
AA576676, AA576734, AA740166, AA804772, AA857576, AA922636, AA936817,
AA962638, AA995183, AA995785, AA999999, N55815, N55910, N56243, N56298,
AA648534, AA398817, AA431056, AA725046, AA781574, AA843621,
AA813773, AI003557, AI022481, AI073763, AI073789, D20727, T24605, AI242533,
AZ262604, AI262756, AI262773, AI274325, AI275968, AI283661, AI284070, AI284988,
AI348441, AI300567, AI418618, AI418684, AI473264, AI476020, AI568193, AI423183,
AI167823, AI521038, AI276617, AI599021, AI609501, AI686566, AI78392, AI810981,
AI889302, AR72047, AI805747, AI817091, AI969515, AI972092, AW01623, AI983450,
AW015714, AW024449, AW081290, AW028070, AW028365, AW029610, AW089785,
AW072272, AW204825, AW204738, AW272831, AW190249, AW078912, AW339125, and

HVVAS32	478	101266 8	15-4171	1-4157	AW439529.
					AU117687, AU120154, AU125859, AU14795, BF338690, AH71505, BG260766, BE727695, AU138149, BE732674, BE741166, BE744613, AW131381, BE744243, AW150931, AV764246, AL044641, AW71178, BFR31776, AA599281, BE786429, BE257208, AU139246, BE858499, W92092, BF692035, AI693264, BP93959, AI68363, BF061034, W92093, BE551039, AR46793, AA427377, AI684721, AA433953, AW058326, AL043562, AI935485, AW613960, AW391916, AI567914, AU149435, BF877944, BE169589, AA854346, AA514743, BF757647, AI581852, AA808308, BG057363, AL043563, AI859960, AU159262, AW952879, AL044640, AI032514, AI82127, AA576494, AA843088, AA720709, AU135064, AI948864, AW268403, AA847376, BE962482, BE349163, BF877943, AA429195, AI673566, AW513956, AI142849, AW270136, AA594908, AI168784, BF857019, AI825660, BF877956, AA761810, AI689188, AA936294, AW576413, AA845619, BF83306, AI418262, AI953507, N47490, AI192252, AW166967, BE83357, N53479, AA127633, BE617953, AW13992, AU144454, AA678097, AA453877, AI400168, AA706391, AA778213, AA778213, W92032, W92031, AA418253, AI350530, AI346670, AA80420, AW051125, AA60008, N24598, AI656347, N75234, AA643589, BF83041, AI910773, W94011, N59208, R42250, AA693402, AW137406, AW206926, R60845, BE698412, AI184175, AA84415, AW207625, T96124, AI951892, BF918423, T03367, AI80383, AW605293, AW580235, AA031876, AA977276, AI336063, BE858914, AA542903, AI375805, AW515260, AW102614, AI858306, BF223004, AI190434, AI458639, AU157488, H82547, BF057140, AI282131, AA57478, R60844, D52307, AA453793, AA890342, AA485974, AI015439, AA652176, AA487810, R67353, AA031693, T33281, AA50697, AV690188, AA761261, AU15793, AA292162, AU23077, D55029, AI351404, H61254, R66521, BF091978, AI499633, AI203096, AW517882, AA379322, BE160959, AA350998, BF832853, BE767209, BE569844, R18270, F05773, AA292062, AA366547, AA947859, AI091597, Z38999, AI085064, AU155801, N72482, AA665720, H27423, F06075, F05144, BF834828, AW499610, AA91469, AA352929, BF591468, AW003465, AU72051, H61258, AW262306, BF827136, H56319, F02019, T96206, AW951526, W93956, AA342105, R05672, AA938283, BE092950, R40996, T29860, R14476, BE931304, BE607040, AI493790, AW272129, BE465859, AW337569, BF800670, BG007446, AW384759, AI678495, AI940793, AA523479, BE041717, AA127632, AA342263, AW449753, AA781268, BF833246, BF901180, AW796005, BE044247, AA579129, F01390, AI653140, BE765292, AA195493, AW139772, BE937845, N40808, BF155720, BH82728, AA379402, AV70434I, N47489, X75304, D25542, D25543, AA948224, C01413, AA456361, AI168811, and AI689970.
HVVAQ70	479	101267 8	15-1455	1-1441	AI885244, BF034672, AU123624, BF783137, AI741132, BG166410, AA732560, AI655830, BF967991, AI924179, BE545833, BE858454, BE548297, AA133349, BF983768, BE619631, BF034843, BG032594, BE619045, AY711393Z, AW003603, AI858259, AI858621, AW665674,

2027

HVVAQ22	480	1012684	1 - 2477	15 - 2491	Accession numbers
HVVAQ22	480	1012684	1 - 2477	15 - 2491	BG035278, AW43636, AI720580, BG251307, AW152647, DE858233, AA846544, AW958873, BG123005, BF448602, AI922544, BE393115, AI095622, AI29334, AA454065, AI042420, AW445149, AI925396, BF433345, AA613660, AA526844, AA541652, BF800735, AI125298, AI186177, AA494344, AA613440, BG110232, AW130308, BF126435, AI126911, W72714, AA460946, AI048605, AA63415, BF061310, AI187345, AI076797, AA927694, AA91772, AW169345, AI146909, AA95323, AI14982, ALA39662, AV726350, AA59587, AI143142, AA526603, AW956892, AI203856, AA041798, AA564147, AI074102, AA142908, N99150, AV72604, AW961250, AI192623, AA594463, W95026, AA715244, AI167714, BF681572, BF681252, AA715250, AA916323, AW239362, BF679172, AA613293, AV648901.

BE787199, BF966968, AW152309, BE733709, BP967252, BE619109, AA743085, AW439773, AA50402, BF790572, BF671417, BE885568, AL138286, BE619697, BF724245, BE963895, AW173454, AI127292, AW152308, BF432038, AI492354, AI827668, BF240828, BF671445, AI589227, AI685627, BF944580, BE747578, BF034147, AV70137, BG255406, AW072064, AI431809, BG033719, AW337218, BG116342, AI857501, AA505254, AW152657, AA470690, AW236820, BF239935, AI277619, AA593008, BE964059, BF096088, AA758827, BF125830, AI802354, AA631801, AW190272, AI086265, AI122565, AW104695, BF242188, AA923165, AA203515, AA460900, AA897380, AA042977, AA176723, AW009841, AA173053, AA424072, AA722611, BF115039, BF750937, AI126843, AW087653, AI694380, BF967974, N86098, AI307741, AA424027, N24324, AI147196, BF928121, AI347634, AI093042, BF840524, BF954754, N34378, H98019, AW87825, AA036750, AA122154, AI681487, AA129741, AA968475, AA022491, AA057322, AA031779, AA622023, AA180978, AA214366, BF592718, AI224001, AA031473, AA492545, BF126061, F21580, AA031615, BG223255, BF873645, AW779783, BE671442, AI267508, AW438406, N40944, AA918752, AA031869, AA613074, AI265905, AI933341, W92357, AI191030, AI783659, W31726, AI751045, AA954021, AI952314, AA748137, W31951, AA214443, AW904446, AA350849, AA206747, BF448894, AA193027, AI096699, AA112189, AA653331, AA460728, AW386131, TJ4012, T55372, T33622, AI289054, AW339426, W70080, AV740684, AI114549, BF589671, W94670, H87603, H45094, F26722, AA193026, AA129735, AA844104, H97389, AA73844, AA373624, AI266644, AI82849, AI708834, AI685844, F36854, BE251166, N89234, AA070313, N46803, AI571474, W28308, AA023017, AI682806, AI611024, AI349357, N50095, AW939034, AA086238, AW183434, AI686404, AL527035, W27952, AI766523, AA633137, AA120959, AA362048, BF032511, H87604, AI400368, AI683828, AF038962, AR017815, D90943, U30839, U89990, AB039664, AF268466, AF209727, AF268463, AF268469, AF048829, AF048830, AF151679, AF151681, AI299423, AF151682, AF087956, T55800, N42840, AA042930, AA070314, AA129278, AA505473, AA622901, AA805785, AA912211, AA093293, AA094853, AA094989, AA854489, AI42551, AI61969, AI886285, AI918220, and AI934142.

HTAES83	481	101269 3	1 - 3090	15 - 3104	AI927798, AI061263, AI268600, AW607488, AV735026, AW470710, AA573423, AW419088, AI370870, AI302508, AI185687, BG121928, BF96487I, BI904871, AE61048, AW016648, BE973673, AI658584, AI445644, BE677584, AA125831, N89600, AFI12001, BE856016, AA461252, AI078712, N48999, AA565417, AA523611, AI204679, AW265055, AI459871, BE835532, AA535709, AA603273, N33348, W93341, AA652730, AA564626, BG058111, N53562, H04608, N43010, AV681992, BF002755, AA654850, AA129748, AW272989, AV659561, AI362419, AA099392, BF107607, AA426392, AA722670, AV648800, AA583542, AA070691, AA524908, AA903602, AA487215, AI367726, AI769684, AA230013, AA654746, BE835917, BI94293, AW936599, BG057151, N80937, AW936598, AA148493, AA758789, AA136947, AA501954, AV709790, AI810438, N68562, AI189336, N78697, T55741, AA904374, AW936663, AI267961, AI167999, AA127982, AI372911, AA150485, AA136853, AA150910, AI536018, AA099391, BF680447, AA156688, T40866, AA065228, BG251361, AA118494, T40834, AA513667, AI189254, AA486775, C02630, AI123173, N90374, AA115305, AA150786, AA345556, AA524623, AA137138, BF927585, AI659720, AW936650, AI248150, AW608369, AW803595, AA534955, AA922346, BF992631, AI376048, AA345544, AI880477, BE771192, AA706108, AA297864, R53824, AA603874, AW936585, AW936619, AW936667, BF246870, AV684636, AV687000, H81896, T40860, AV693826, AV683180, BG165793, AV683027, T94376, AA551535, AV683031, AW936596, AA298702, R78136, AV698333, AW951177, AV693824, AA578448, AI682305, AA027063, AW936584, AW936625, T40852, AI150727, AA853392, T90882, AA650051, AA635543, AV726977, T40844, AA374739, BG011907, AA640479, AA487075, AA225988, AI202265, T39881, AI675945, AI972269, BE762439, AV684096, BG012503, AK025953, M76233, AF096771, AF069601, U48959, AF069604, AF069602, AF314149, X85337, AF096773, AV692497, X90870, S80867, S57131, M76181, AF096769, AF096770, M76234, Y09530, T50407, R06438, R33802, R33303, R53873, R68014, R68015, R76855, R76856, R81157, R82655, R82679, H27090, H27286, H81895, N45721, N72521, W16932, W16939, W19295, W1325, W45247, AA064926, AA125830, AA137067, AA148908, AA148900, AA234857, AA253467, AA464315, AA226118, AA578985, AA564423, AA586693, AA977376, AA992497, AA650041, AA770173, AA853056, AI287822, AI401814, AI468174, AI532652, AI675820, AI696141, AT299836, and AI685875. AL528871, AL532870, BF689540, AI088498, BG029109, BG163818, BF690458, BG121525, BI677687, AW118573, AA293678, BF939462, AW009834, AA477666, AI985062, AA477509, AI660877, AA744380, AI740847, AW075908, AI308772, AA603083, AW188550, AI359884, A003144, BF846444, AA927136, AA857190, AW014572, BE779584, AA291912, AW204044, AI457772, AW394050, AW604877, AA425834, AI089635, BF224014, AA428432, AV761585, AI251454, BE242176, AW083897, BF893844, BE812514, AI289616, AI557835, AW601203,

BB910476, AA366308, BF813056, BE887709, AI624403, BF876823, BF591451, BF877365,
BF877239, BF877169, BF876832, BF877183, BF877176, BF877347, BF877351, BF877167,
BF877190, BF877346, BF877173, BF877237, BF877181, BF877191, BF876836,
BF876774, AI814904, BF876820, BF877162, BF876744, BE077405, BF929193, BF877187,
BF877213, AW190934, BF806672, BF873942, BE816997, BF876818, A932745, AW239390,
A419842, BF877194, B929259, AA625923, BF847722, BE906780, BF876810, AU119028,
BF876765, AA702010, BF791648, AU126143, BE828372, AI636967, BG003844, AI370384,
BF346251, BE266620, BE835092, W48625, AI869750, BG260772, BE877401, BE907624,
BG034598, AI918554, AI804505, BF765540, BF877223, BE138644, AI520897, AI349957,
AI345005, AW083168, AW168700, AI345014, AW029457, AI251221, BE797001, BE407260,
BG250475, AI416961, AI567211, AA835966, AW050725, BE799809, AI86694, BE730633,
AI564160, BF778938, AI345261, AA805751, BE616405, AI933992, BE249821, AI915295,
AI570800, AV662292, BF814541, AV727158, ALo33509, BE561959, AI805688, AW082532,
AI364220, AI656270, BE387822, AI548917, AW148303, BE793957, AW055252, N27632,
N22406, AV682521, BE408530, BF972779, AI475270, AI699020, BE267579, AW082625,
AI689614, AI669897, AI567625, BF828245, AW161202, AW409775, BF725001, BE965286,
AW302992, BF753053, AI349958, AW008253, AI873704, BF904264, AI889147, N39304,
AI342210, AA760851, AI050666, AF063542, W33163, AW169297, AI628337, AW238764,
BE259326, BG178130, AW263804, AA622623, AI866169, AI499104, AI648699, AI419212,
AI950664, AI537837, AA172258, AI494201, AI689071, BF814530, AI859644, AV699227,
BE017996, AA640935, AI079736, AI868090, AI683165, BE566196, BF753008, BF879028,
AI446405, BE963035, U45285, A98501, A98512, AB022322, AF261053, AF033033,
AF218254, AF188702, L31770, U73006, I25664, AL137683, AF051379, X62773, AL050138,
E03348, E03349, AF061943, AF04O723, E12580, AF311287, AK000753, AF094850, A90832,
AF130068, AL110228, AF242376, AF081571, AL133081, E12579, AF148129, AK024974,
AL157431, AF155119, AF116691, AL117438, Y10823, AL117432, AK024622, AR068466,
AL133098, AF038847, AK026522, AK026631, X66975, AB047947, AK000598, E01812,
AF022813, AR050959, AF077051, AF167051, AI012582, Y11435, AR075041, AL133636,
AF113699, U72620, AL137536, S77771, AK000391, A08913, AL117435, AL049276, A18777,
AK026642, AF113676, A08910, AF244915, AF218031, AF229585, AF159148, AL122045,
AK025084, AL049466, AB049848, S61953, U96074, AF026008, AL389978, AF057420,
AK026385, AL137534, A010277, AF039165, AL050015, AF117959, AK025541, D44497,
AF000301, AF176651, X59414, AK024545, A93016, AL157878, AF229831, AF019767,
AL050280, AL359615, U34944, U75378, AK025906, X93328, AK026855, L0386, AL096720,
AF159141, AY004290, AL133014, U97992, AF261883, U80742, AF114818, AK024550,
L13297, AL158012, I00734, AF089918, A90844, AF113694, AL355713, AK025669,
AF119856, AF188698, E00617, I00717, E00778, AL080126, U77594, AC002467, AL122121,

2030

Name	No.	ID	Range		Accession Numbers
					AK026591, AF013214, AL110171, AL080060, AL133104, AL133077, AB048991, AF218005, U90884, AX005848, AX005804, AK025414, AK027182, AF106697, AJ004832, AK000618, AR083283, AL153940, A12297, AL080129, AF18215, AL008706, AK026865, AF178432, AF235993, AF100931, M79462, A51774, AK026164, X87224, AK026494, U42031, AL110221, AL162085, AF056191, AB034701, AC018639, E08631, AK025349, I68732, AF130066, L10353, U51124, AY007109, AF030635, AK027104, AF208850, AL353092, AC010128, X00861, AF207829, AF169154, AJ250403, A57389, AL113286, AL137557, A59344, Z72491, AF120268, X75295, AF105835, AB048995, A91160, X54971, AK025456, AF158248, U57352, S68736, S79832, AF137367, AF022363, I05277, AF008439, X83508, AL161802, AK026442, AC020581, AC007172, AL158532, U73370, X66417, A15345, and AL137463.
HOCMN67	482	1012700	15 - 1377	1 - 1363	AL524901, AL524902, BF346000, BF974670, BE300440, BE613761, BE298717, BF905443, BE737079, BF315660, BF975373, BF900875, BF794605, BE561418, BE297984, BE396794, BE513285, AL529353, BE560182, AW732675, BE560398, BE396870, BE392195, BE251954, BE397849, BE559742, BE869296, AV674368, BE273242, BE515542, BE939301, BE396873, BF899554, AL523561, BG036335, BF975060, BE712864, BE712991, BE712989, BE712980, BF366123, BE764733, BE816334, BE712872, BE889264, BE939316, BE712995, BE712968, BF091964, BE836278, BE712925, BE712910, BE712914, BE712939, BE713048, X88246, BE712933, BF590042, BE712954, BE836306, BE712957, BE712905, BE712898, BE793722, BE712951, BE713021, BE397310, BF553840, AI424305, BE713046, BG259170, BE764762, BE712893, BE711115, BE713029, AW960962, BF663330, AW843896, BE712908, T28088, BF353844, BE836190, BF993734, ALI19235, BF806263, BE247329, BE712941, AW245699, BE713039, AA234644, BE713045, BE712907, BE713000, BF535823, BF935628, BE764756, BF767291, BF873692, BE256697, BF239057, AW967945, AW408770, BE071408, AA291247, AW246049, AA255647, BF898057, AW967945, AW408770, BE071408, AA291247, BE071380, BF803081, AW856222, BF751657, BE071379, AW881797, BE838899, BF942875, M80776, X61157, M34019, M87854, S48813, S81843, AF087455, M87855, U08438, U08437, U08435, Z64532, U08436, and AB012255.
HAPOW35	483	1012711	15 - 698	1 - 684	BG107619, AL522537, BE787836, AV762511, BF248234, BF667269, BF577158, R11727, BE565643, AA378120, BE798891, H08058, BE293634, BE395888, AA232695, BE250045, AA195384, AW427299, AI915592, BE733913, BE538250, AI123556, AA456540, BF572380, AA312705, H19735, AA442143, AL522536, BF978828, and AA418920.
HOVIM48	484	1013085	15 - 1001	1 - 987	BF514360, AI984072, BG104550, AI996769, AA447067, AA490806, BI866640, AI683477, BF155603, BF088348, BF008352, ALI19141, AA490615, ALI37910, AW591443, AA857381, W23546, AV762136, AI524540, A1682490, CI4692, AW402458, AA508873, AV764104, AW077540, BF475757, AV276984, AW513195, I53478, AA176605, AW819567, BF766734, BE151470, F17700, BG057491, AW819626, BF964699, AW780137, F32710, AW151764.

AU148110, AA502175, AI160144, AA494038, AA830594, F15524, AW079809, AA346485,
AI291317, W01998, AI803827, AA100884, AI064811, W01999, AW341864, AW238010,
BF739175, AW02856, BF918165, AW079979, AA857296, AA342681, AA327978, AI859834,
AA584148, AI049931, AW474152, AU146929, AV762047, AV763418, AV759935,
AW02908, AI284583, AA483655, BF941563, BF981578, AW274078, AA501614, T47739,
AW850885, AI292236, N22032, AI678392, BI045291, AW975164, AV758989, AW971073,
AW979140, T03900, BF681174, AI049996, BF693906, BF796375, BF026590, AL036283,
AA492222, AW973771, AA994578, AA553448, N25042, AW082744, AI053786, AA614010,
AV733057, AI952900, AI347810, BE677537, BF108874, AI673731, AU137207, BF736198,
AW19265, AI433247, AI471815, AU146086, BF037689, HS8472, AI859946, AW662490,
BE139267, AA484143, AI352078, AI570943, AA262752, AI345157, AA779783, AA577748,
AA524832, AI270476, AA384039, AI362442, BF979071, AI538540, BF839724, AA652813,
H82330, AI452836, AI804849, AL035593, AC064878, AC002543, AC021999, AC020754,
L32588, AC007189, ALI17732, ALO31846, AC003015, AC006924, ALO78639, AC005288,
AC003043, AF18679, AC007842, AC009073, ALO6673, AJ13326, ALO9923, AC005540,
Z85986, ALI21969, X54486, AC011497, AL021939, AC004472, AC026430, AC008275,
AC079045, AC008925, AC066590, Z83822, AC019046, AP001721, AC013358, AL138787,
AP002028, AL139100, AC002036, AL133240, AL109963, AL445220, AC004257, AP001208,
AL450169, AL138807, AC002347, AC020728, U52112, AF009661, AL121926, AC006211,
AC016948, AC005038, AC007993, AC006077, AL117377, AL136365, AC006285, AL133245,
AP00147, AC005701, AL139150, AC004129, U46117, AF051976, AC005212, Z84479,
AC000056, AL031767, AC008543, U03115, AL034405, AC005954, L05367, AL117341,
AL355485, AL391833, AC020923, AL133328, AL158828, K00059, AC004867, AL354943,
AL158040, AC009756, AC018641, AC018637, AL031659, AC006965, AF107045, AC005098,
AC005011, AC004024, AL096863, AC004166, AL121975, AL008710, Z98950, AL033329,
AP001330, AC005280, AC005831, AC006257, AC009518, AC007536, AF111169, AP000333,
AP000173, Z98200, AF24327, AL078599, AP000701, AL136444, AC008009, AC005593,
AC005304, AL121749, AC008752, AL050308, AL135978, AP000700, AC020906, AC004852,
AC020898, AL161618, AL035526, AL158072, AC010719, AF190631, Z93015, AC006372,
AC008555, AF001549, Z98036, AC004906, AL049593, AL356575, AL121949, AL021937,
AC004887, AL360158, AL136369, AC004891, AL137059, AL034372, Z82172, AL021879,
AL159158, AX039602, AL121601, AL121835, AL031132, AL38831, Z92546, AC073934,
AL031296, AL110502, AC002400, AL136999, AC010252, AL157406, AC005614, AC005210,
AL355803, AC006449, AF157065, AC008812, AC006084, AL157791, AL049776, D32202,
AL035427, AC004967, AC016602, AC004820, AC016637, AL295844, AL121897, AL049546,
AL033521, AC016025, AC005189, AL008721, AL354750, AC010489, AR023049, AC005757,

					AC007563, AC010283, AF009663, AC007083, AC007191, AL441883, AL136080, AL109620, AP000278, AL109920, AL121747, AL135787, AP001760, AC011465, AL138696, AC006013, AL031005, AL161670, AL121914, AC008616, AC002350, AC005255, AC009248, AL353674, AP002898, AC011495, AC011529, AC009069, AC007377, AC006950, AL133334, AC021887, AC017021, AC011473, AC008085, AL035404, AF282537, AL136172, AP000512, AL021453, AK023586, AL136179, AC011479, AC020663, AL022316, AL157688, AC011493, and AL353802.
HBJHY84	485	101321 3	1 - 1512	15 - 1526	BF513481, AI979334, AV750733, AW150342, AI554025, AI917181, BE466873, AA67977, AA836452, AU129610, AA747905, BF379175, AA214482, AI453218, AW959298, AI275918, BF059687, BE067524, AA810010, AW379211, AA301486, AA214481, AA214445, BF379159, AW082876, BF379158, AA721103, BF35547D, BF955489, BE939440, BE548541, AB046771, AK000638, AK000703, AB052148, AK001514, and A1356321.
HODEY05	486	101321 5	1 - 980	15 - 994	AA676907, BE907847, AA151808, BEi78106, AA465289, AA099035, AV681964, BE931939, BF126400, AV719960, AI968768, AA169424, AW70222, AW243844, BE348296, AA586596, AW016834, AW816384, AA761449, BF222953, AI990337, AI718942, AI807357, AI805276, AW510884, AI026648, AI655423, AI337899, AW514709, BF108752, BE326928, AU150814, AI025967, AI688125, AI334211, AI458611, BF055542, AI367596, BF446726, AI017955, AW273107, AI719981, AI653813, BF239166, AW117292, BE464800, AW498932, AA292935, AA151706, R34792, AW193690, N56974, BE326479, AA826184, N50399, AA903397, AI623937, AI626024, N64085, AI627773, AW515818, AI491985, BF95567B, and AA001514.
HFIAS44	487	101328 8	1 - 1810	15 - 1824	BE886149, AW375593, BE269242, AW957836, BF530063, AW375621, AW957911, AW846341, AW375628, BE514122, AW846424, BG030265, AI811330, BF530319, BE869746, AI815588, BE868627, BE732069, AA557637, AI568426, BF313483, AL041389, AW402679, AA406384, AW375475, AI934752, BF155423, AA406342, BE168512, AI968463, AW973674, AW607132, AW846515, BG254619, AA406497, AA313680, BF816414, BG248231, T18893, AW604300, AW604302, BE538503, BF743311, AI206416, AA406519, BG248377, BF732203, BF854744, BF331846, BF087586, R17426, BF834809, T31135, H80276, AI784072, T65203, AW875193, H80290, BE533225, AA24739Z, AV750366, BF896281, AW73606, AV746827, H60654, BF922334, BF922374, BE936802, BE834304, AI695115, AA813331, AW975890, AW962644, BG236141, AI983327, W56290, BF197086, AA444138, AI816541, AA514456, AA843581, AI049963, BE221699, AI587092, AA250772, AW263995, AA406111, AI206498, AI83986, AW515618, AW664318, AW771830, AI888536, BE221175, AA483568, AA623369, AI580963, AI375677, AA443975, AI049696, AI061268, AI366699, R23237, AW169087, AW151048, AA369024, N24093, BE075974, AW72289, AI049602, D80579, AI150944, AA626126, AI870066, AW166332, AW098961, AA283206, AI887547, BE075635, BF887600, AL121101, AI338261, AA047064, AA182785, AI252230, AA411078, AA412144, AW662033, AL041396, BE542595, AI761472, AI813797, AI762565, AI275243, BE926636, AA612773.

HHAUD68	488	1013349	1 - 2010	AW083385, H75862, BE177211, BF920669, AI439641, AI446245, AA394292, BF792218, T46989, D80917, AI421432, F28348, AL042057, BF770820, AA341173, BF344147, AW376053, T65134, BE882809, AW373604, R42660, AA425546, AI525082, BE793306, AI701307, AI566582, BE076123, F37277, BE882207, AW376051, AI191047, BF332146, BF438079, AI969522, AV751041, AA485525, BE550929, AA247233, BI760530, BF888351, T46998, AI004074, BF888352, AW504741, BF734486, AI369025, BF082836, H80373, H80386, AI690040, AA047063, AI877777, AW080581, AW375985, AA098828, BE816499, BF333303, BF333306, BE816510, BF333319, BF333295, BF333315, BF333317, BF333311, BF333307, AA378406, AF124727, AB014570, AF124726, AF124728, AF124725, AP168782, and AF124729
			15 - 2024	AU125260, AU143224, AU137482, BF979962, BE905320, BG110056, BE883357, AW954111, BF026567, BG029311, BE836387, BE787743, BF036993, BE005810, BE066803, BE005792, BG106111, BE005659, BG030463, AV716755, BE066786, BG031259, BE778590, AU153372, BE887428, BF034840, BF338135, BE868838, BG112573, AV712560, BF214840, N45714, BF213704, BF028304, BE885061, BE536630, AI556584, AI347088, BE395083, AI681921, AI188394, BF858245, AU126274, BF777483, AI096867, BF678510, AI949239, BF184121, AA707270, AA633307, AW958965, AU157193, AI690981, AW239297, AI200952, AI669681, BE005608, AI79889, AW089548, AW008494, AI890758, AI018475, N23783, AI252815, AW470025, N51271, BF247190, AI568976, AI359668, BF695947, AW009914, N20100, AI139586, BE044205, BG120837, BE005731, AA860476, BG037171, BF282690, BF857560, AI129987, BG260980, BF826918, AI718666, AI207986, N51936, AA768749, AA912686, AI383741, BF857536, AI245880, AI189601, N67649, AV654895, AA946580, N48992, BF826941, AA632226, AA167747, AI356794, W46970, BF826915, BF026656, BF058150, BF858239, BF826920, AA056425, W47070, N95707, AI911483, BF840837, BF857539, BF244858, BF696908, AW771738, BF840835, H82727, AW377477, BF241650, BF857561, BF572620, W70038, BF857538, BF837203, W81364, AI29967, AI245295, AI83740, BF837231, R62245, BF825157, AI961325, BF826913, AA487374, W34741, AI183329, BF826942, AI681827, BF826926, AA659102, AA828479, W00832, W81623, AI827180, BF516055, BF691072, BF825243, BF577004, AA487168, AA332859, AI129023, AI017064, W0A513, BF381139, BE243202, AA384913, AI538100, AW770150, AA167647, AA361670, R59853, AA374619, W31455, AA056374, BF028286, H83601, AA865845, BE242044, AA723853, BF215949, R1724, AA064891, AI302004, AI121916, U90549, AC018752, AC073095, W01099, AA177121, AA249743, AA487257, AA487320, and AA680190
HEEAA89	489	1013436	1 - 770	
			15 - 784	AW959616, AL135608, W23896, AV691197, AV692570, AA157308, H23082, AV683581, AA062798, BG249373, AI934099, AA480943, AI969520, D81149, F07060, W90404, AA299769, D60727, BF904504, AA233997, AI829619, BE876051, AA299827, AV006228, AW502192, AW499693, AW499650, AW501778, AW499600, AW471169, AW502898,

HNTAK22	490	1013524	15 - 3523	1 - 3509	AB354690, BF448640, AA315165, AA663671, AH494218, AI343102, AI749069, AW104946, AA494510, AW004706, H51057, AA773322, AA483147, H7553, AI918100, H59236, AA158176, and AF071172. AI536370, AL533357, AL533536, AI131336, AW007658, BF344552, AU120249, AI005333, BF96191, AU112605, BF339036, BG104516, BF342185, AI818341, BF341089, BF338566, BF448661, AW519118, BE899793, AI922459, AA595338, AA481702, AI573172, BF343104, AW50751, AW029232, BF338201, AA481466, BF341564, AI811324, BF340578, AA522269, AA838064, AA431924, AW960586, AU127761, BH340086, AI249784, BF737829, AI907170, BF724377, AI332914, BF724960, AA490462, AI167296, BF724935, AI146370, AW838943, AI247322, BF091112, AW571482, AI972197, AL047823, AI452419, AI913043, AI281146, AA973378, BE839067, AL047803, AI566503, AW627773, BF912663, BE839213, AI358043, AW840300, BF856591, AI536813, BF939426, AW192039, AI685213, BF912667, AW838897, BF344794, W92281, AA283179, BI675568, AA563581, BE839253, AA568563, AL040503, BB063215, AI868006, AV700904, AI370569, BE243977, AA490684, AA477377, AI468524, AA714627, AW471279, AI678831, R49217, BF838940, BE24452, AI906145, BF343096, BE836117, AI469506, BE810532, AA595306, W92141, AW057582, BF511204, AW268697, AI539663, R31060, AA477772, AA596047, BF753087, AI742615, AI270525, T11643, AA973709, N93506, BF926227, AA527536, AW169984, AI815135, AI300224, AA443710, AW838918, AA477882, BF912716, BE844006, BE770137, AV750559, BE844009, AU047801, AW368290, N69960, AA614578, W21318, AA975702, BF770664, AW631089, BF772925, BF917313, AL047631, U53094, R46533, BF871119, BE243637, AW608388, AW819176, BF770131, AI648417, U53081, BE772931, C00811, BF749312, AA528240, R69441, W35147B, T04974, R46444, BE843765, AA295483, M85547, BE709154, AA443526, AW608283, BF841670, AW838934, AA602219, AA077339, BF092146, BF738433, AA077291, BF912721, BF092200, AW838892, BE938581, AA853204, AA077832, BE851760, BE720190, BE844003, AI914522, AA327286, AI872571, R85073, AW662967, AI926219, AA993064, AW839839, AW748245, BF943528, AW800423, BF850312, AW175924, AI798599, BF772434, AW878667, BE927001, BF938331, BF841498, BE843958, BE938306, BE157335, BE843775, AW385891, R35420, AW361539, AW839348, BF851191, AW385903, BF087246, BE836089, AF053944, D86479, AF053943, E07353, AF043942, X80478, AC006454, and AA976886.
HOVBX78	491	1013687	15 - 761	1 - 747	AU128231, BE272526, AU130195, BE164466, BE164464, BF08525, AW813416, AK001556, AK001751, and AX017389.
HVVAWW74	492	1013740	15 - 1090	1 - 1076	BG256269, BF530210, AL535365, BG254956, AI937808, BG255962, AA494922, BF570250, BF527816, AI826416, BF570040, BF45133, AI004246, BF761093, BG110667, AW076128, AI798599, BF772434, AA890692, BF982691, AI658655, AI802988, AI186105, AW516805, BE548730, BG107551, AA890692, BF982691, AI658655, AI802988, AI186105, AW516805.

BG255820, AD272848, AD272690, AL042101, BF761225, AI552429, AL120942, BF766006, AH418972, AU145072, AI423073, BF530690, AW511045, AW173309, AI291821, BG030329, BF761086, AI740610, BF527699, BF761091, AI162065, A687656, AA629269, BF835821, BF530954, AA683106, BF984558, AD280833, A306630, BG034611, N33439, AA593782, AI800593, BF761339, BF701281, BF431915, BG030142, N2413, BF227795, BF749806, BE884682, AW082018, BE897071, AI281999, AI362153, BF761099, AI423120, BG034728, BG033309, BF509570, BF761350, AD216789, BF761115, AA279749, AA683256, AA877367, BF761124, AW071745, AW205272, BF81342A, BF822023, BF749799, BF761121, W21428, BF761534, BR477449, I25192, BF229830, BF229834, TI7283, BG12182, R90968, BG030077, T27063, BF750367, AI721014, BF214911, BF215397, AA330832, BF761371, AA382323, D5207, BF347639, BF088711, BG028231, BF229788, BF88752I, BF927059, AI659214, N23684, BEK29350, AI927380, AA554454, BF832772, BG167073, BE763496, AI720758, AA954712, AI524276, AI64593, BE20841, BF229814, F25189, F33111, BF310766, AI500671, AW170648, AA330068, R84504, AA330067, BF345276, AA810280, BF92979O, F25151, AI14207, AW381297, BF768871, I37490, BF43662, BF761378, BF229812, BF303656, T27765, BG060184, F28025, AW00604I, AA836826, F24489, AA218881, BF933784, AI626057, BE836800, BG059451, BF740463, AA302029, AW874543, BE259326, BEF76977I, AA359566, AA229607, F30834, F20765, AW327690, N92910, BF336804, AD272314, AA574326, BF927334, BG060172, BE893973, AA523503, BF766630, BG031663, AI041616, AI061361, AV744105, BF76562I, AV744733, F25232, AV741390, BF811153, BF229809, F16559, AI284007, AI420237, BF762832, AA302020, F19506, AA308136, BG230879, AA374320, AA320811, AA872171, BF944452, AL038899, BF794135, AA523497, D51482, BE886767, R43766, AA228364, F18331, BF766637, BF89144Z, BE153861, AI351531, BF34430I, F28834, F35366, AA661953, BF898506, BG105450, BE835713, AA522774, AW947423, AA357426, AA721709, AA318036, BG105450, AA879263, AA22969, BF835483, AA353837, BE70664Z, F35186, D55945, BF761203, AA508807, D54603, AA810351, AA608633, AA876671, H89013, AA593065, AW327325, W00399, AA736728, AA594380, BF799475, W49834, AW877511, BF932118, AW408175, AU122147, BF886479, Z11692, X51466, MI9997, U46663, M76131, AF000576, K03502, Y07504, AF113694, AL122093, AF056191, AK024538, AF090934, AL137459, U42766, I48978, S78214, AF217987, AK026762, AB034701, Y09972, AF119883, AF113690, AF218014, AF061573, X83508, Y11254, AB048954, AF389939, AB052191, AF116631, S61953, AB048964, AF130110, U67958, Z72491, A08916, AL122110, AK026642, AF132676, AF061836, AK000247, AL096744, AL137533, AL390154, AL117583, AF090900, AF146568, AL137429, I89947, AK026526, AF158248, A08913, AL080124, A08910, AR038854, AF017437, AK026353, AL049382, X70685, AK025254, A03736, AK025254, AK027113, I0321, AF000943, I89931, A08909, I48979, AK026164, AI049314, AK026784, A08912,

				U35846, AF314091, AR087170, AL137550, AK026542, AFI19860, AX046842, ALI17435, U00763, AFI17336, AK026927, AK000652, AK026480, AFI16610, AL137560, ALI17457, A442072, ALI33606, AK000432, AK025092, ALI10225, ALI33560, AFI16691, Y11587, AK026597, AJ000937, AL359596, AK027146, AK000391, AK026855, AL049300, AK025906, X72889, AI137557, AL049452, AK025084, AX040974, AFI25948, AF208026, AFI16639, AF285167, AL133016, AF130066, AF097996, AL162008, AF067728, AX040259, AK000647, AK025958, AFI16654, A123827B, AK026630, AF242189, L31396, U6387, AL080148, L31397, AFI00931, AFI19875, AFI32205, A77033, A77035, AK00137, ALI37271, F02349, AFI11851, ALI33098, AK027204, AK025798, AK025573, AB052200, AF262032, A1023657, AFI16682, ALI39620, AK026647, ALI22121, X96540, AF061943, AK025967, ALI35957, AK000083, AK027164, ALI17460, AL359618, ALI33077, ALI33067, A90832, ALI35983, AFI19859, AB051158, AB007812, AF207829, ALI17432, E02221, AF026816, AX019230, AX040958, X82434, Y16645, AL050024, AI22050, AP08793, AFI13699, AFI16644, AK026674, AK026629, X84990, ALI33557, AFI16646, ALI33075, AL050116, AFI77401, AK026600, I00734, ALI37521, AFI06862, I6732, ALI22123, U49908, AF230496, AR011880, AL162002, AB033881, AR083266, AFI19871, U58996, E00617, E00717, E00778, AFI13013, ALI17394, AK026593, A12297, AB049848, AF078844, AR020905, AFI16676, AFI13677, AL049466, AK024992, AFI18094, I09360, A65340, AF218031, AL137478, AK026959, AF079763, AK027713, AL359601, AX020124, E07108, A8U79032, AFI11847, AL442082, AF242525, AFI75983, N68062, N74347, W05192, AAI16251, AA228378, AA484334, AA542808, FI5793, FI6234, FI7065, FI7224, AA876988, AA931571, AA937654, AA937858, AA988562, AA991726, FI8068, FI8705, AA630345, AA91571, AI337621, AI458575, AI586949, AI826925, AI872898, and AI932406. AW061202, BF727086, BE561354, BE295468, BE267749, BE792824, BE513336, AV703327, AIB14545, BE560144, AA701033, AI160850, BF726553, AW029525, BF106390, AI927392, AV688621, AA770666, BE695389, BE712504, BE695407, BE695426, BE695391, BE695427, BE695403, BE695420, BE712773, BE695373, BE695373, BE712334, BE712285, BE695419, BE712544, BE712220, BE695436, BE695425, BE712770, BE695432, BE695404, BE712628, BE712622, BE695409, BE695417, BE712724, BE695416, BE695415, BE695398, BE712549, BE695418, BE712547, BE712553, BE712555, BE695401, BE695422, BE712211, BE712548, BE712279, BE712502, BE695424, BE695429, BE712670, BE712324, BE712319, BE695423, BE712231, BE695402, BE695431, BE695395, BE712213, BE695364, BE695408, AA575902, BE712232, BE695428, AI742386, BE712391, BE695413, BE695375, BE712212, BE712222, BE712510, BE711558, BE712624, BE712507, AI524073, AI420073, AI401286, BE712787, BU712430, BE695382, BE712160, BE711535, AW104087, BE712326, BE712214, BE712292, BE712449, BE695574, BE712322, BE711646, BE712100, BE712505, BE712421, BE712506, BE695360.
HSPSFR84	493	101385 3	1 - 633	15 - 647	

2037

HPAMV95	494	101400 3	1 - 1393	15 - 1407	BE695405, BE695377, BE712771, BE711502, BE695384, BE711670, BE828330, BE712102, BE695345, BE712668, BE695346, BE711587, BE712171, BE711842, BE711652, BE699358, BE711560, BE712231, BE695350, BE695421, BE712008, BE711604, BE712r54, BE695400, BE695344, BE695351, BE712045, AA317838, AA687513, BE712170, BE695383, BE711508, BE695355, BE711760, BE712458, AA767170, BE712166, BE712108, BE712104, BE837811, AI89934, BE712047, BE712103, AI459535, BE712050, BE699368, BE712162, BE695365, BE711614, BE695443, BE695376, AA576980, BE712014, BE828321, BE695412, BE712498, BE711500, AA384751, BE695379, BE712587, BE695414, BF112286, AA687454, BE695362, AI367957, AA976480, BE712223, BE712101, BE711657, BE695348, BE695381, BE695434, BE695359, BE712221, BE711603, AW079821, BE711986, BE712281, BE712456, BE695361, BE711532, BE695430, BE695393, BE828313, BE695410, BE695532, AW510617, AW962270, T71962, B2856500, AI46072, AI309112, AA907009, BE712474, AA507928, T72102, AI386582, T71693, AA41532, AW591351, AI739011, AA626769, BE828312, BE695392, BE828315, BE712003, AA552952, AW370204, BF726661, AA359412, T81771, AA662912, BE32794, AW071632, BE695356, BE940044, BE711542, AA522896, BE712287, BE695380, D60602, BE562400, BE561772, BE562032, AR017568, and AF111713
					AU140401, AIT38421, BG031482, AI280092, AA400097, BF850021, AW083889, AW592654, AI742697, AI016064, BE903250, BE902947, BG104467, BE892580, BE302880, BF027402, BF726476, BF081511, W49684, BE490089, AI125462, BG032552, AA862329, AA486280, AA700818, BF820549, AI122804, W49694, AA400168, R11861, W49722, AW151672, AL045993, T53335, BF847816, AA962206, T48826, AW631078, BF884099, AA627637, BF737680, AW838008, BF357901, BF883577, W49721, BF988013, BE930738, BE930747, AW888069, AL046421, BE929077, T73984, AW498792, R68647, BF996158, F12365, BF850158, BG008754, R68697, BF037441, M85579, AI073794, AL533644, T07268, T29410, T54278, R24085, R26961, M85403, R22150, T48827, C01506, F27655, BF990588, AW361499, AA364950, AA853311, AA853874, AW380283, AA369501, BG004874, T53334, AW276429, R22149, BF986774, T54386, AA702765, BE762911, BF104742, AI611200, AA323024, F37322, BE747589, BF932773, C18912, AW996016, BE765531, AW998862, T50035, BF350192, H29127, BF668920, BF928730, AW998744, AA505775, AA298422, AW946325, AW946276, BG005177, T50090, AA542979, AI82664, AA112696, BF839409, AW373948, AI370044, N31154, N29691, N29692, BF823044, N50793, AL047256, AI640179, BG030359, M32304, J05593, AF127803, M82858, X62662, U44385, U14526, M32303, S72594, S82718, EI2461, L31884, AF112115, M93954, X54533, X75924, AF144764, AF188489, AF156030, AF069713, AJ010315, AF099658, S68860, U44384, U44383, U44382, U44381, and AW270911.
HOVBX22	495	101404 1	1 - 314	15 - 328	AA714453, BF843214, BG222269, AV760543, AA767963, AI241705, AI439360, AA548087, AA737154, BG000467, BF841448, AC004815, ALI21653, AC005482, AL138733, AL133246.

HPDRB63	496	1014204	1 - 1394	15 - 1408	AC002369, AC008392, AL022476, AC004638, AC007151, U80017, AC008537, AL445123, AC004150, AC005089, AC005255, AL161422, AL109797, AC005231, AC005184, AL109758, AF044083, AL049542, AC068799, AP001670, AC004453, AL138725, AC015550, AF168787, AL050349, AC005837, AK026079, AC005696, AC006261, AL049636, AC007954, AC004893, AC005527, AC005399, AL022322, AL049576, 293930, AC007225, AL031277, AC008753, AP001688, AC006273, AP001691, AC004965, AC006441, AL031848, AL021808, AL132656, AC011495, AC005324, AL049709, AL117348, AL118520, AL121586, AC003982, 283340, AC007655, AC009086, 298044, AC009756, AC005529, AL355886, AC005015, AC006124, AC010719, AL138478, AL163285, AC002347, AC011444, AL108583, AC005071, AC006551, AC008413, and AL163201. BG261404, AI655109, AI769371, AI673814, AI867165, AW271689, AW973626, AA488104, BF475415, AA492547, AA554212, BE905098, BF377593, BE790712, AI962754, AI703142, BE787290, AC003006, AK000077, AC010326, AC004017, AK026941, U38904, AC003682, and AB040941.
HNHQI66	497	1014252	1 - 2544	15 - 2558	N21235, AI371094, N27514, R73267, H42963, H42894, AW051024, AV715898, AV713456, AV73767, AV713329, AV712260, AV713333, AV725577, AV711811, AV763290, AV728404, AV763985, AV759285, AV651897, AV725441, AV725031, AV761360, AV725618, AV708786, AV725582, AV709580, AV653353, AV745940, AV762836, AV73915, AV725255, AV725321, AV726194, AV703632, AV716216, AV704144, AV708872, AV706223, AV729424, AV759241, AV652528, AV652001, AV726590, AV699269, AV727618, AV708520, AV759375, AV682278, AV728743, AV704626, AV726337, AV757269, AV764428, AV76428, AV743111, AV756617, AV704401, AV727822, AW955629, AV733533, AV756644, AV756815, AV708815, AV702671, AV707589, AV729473, AV661286, AV662242, AV660096, AV699250, AV725596, AV703168, AV661369, AV740765, AV660728, AV755566, AV728715, AV706560, AV705189, AV760852, AV699153, AV709356, AV687342, AV702787, AV705525, AV660516, AV763278, AV662268, AV700164, AV700273, AV655067, AV704590, AV746276, AV756563, AV759919, AV738231, AV753667, AV726156, AV707794, AV699156, AV707420, AV646736, AV706076, AV702071, AV707401, AV704712, AV733258, AV705684, AV712018, AV726653, AV764322, AV755608, AV702581, AV725991, AV707948, AV697350, AV704954, AV705416, AV703417, AV706407, AV734118, AV705234, AV654035, AV704757, AV705263, AV726628, AV706891, AV727017, AV703542, AV699223, AV709780, AV702851, AV707658, AV706882, AV70505, AV691615, AV727238, AV682997, AV715373, AV727126, AV729555, AV706162, AV708320, AV709596, AV701880, AV686417, AV701728, AV699199, AV645768, AV755330, AV715866, AV694871, AV729129, AV722459, AV726830, AV655991, AV701090, AV729366, AV728346, AV727337, AV702854, AV706734.

AV706133, AV706330, AV656283, AV705299, AV727469, AV701626, AV709273,
AV716896, AV706165, AV709932, AV707088, AV709549, AV645545, AV708991,
AV728455, AV733607, AV706989, AV703214, AV701874, AV709256, AV651075,
AV726559, AV727103, AV758219, AV712190, AV705504, AV701873, AV726754,
AV682309, AV729597, AV729077, AV703086, AV704974, AV706025, AV701879,
AV727139, AV702280, AV727032, AV702498, AV704116, AV702728, AV758929,
AV661744, AV725423, A1525556, AV707322, AV701538, AV706741, AV755214, AV707510,
AV709494, AV722956, AV702354, AV706527, AV713145, AV728289, AV573858,
AV707798, AV683285, AV724987, AV709244, AV707783, AV709733, AV709025,
AV714286, AV755325, AV702339, AV704981, AV716238, AV645575, AV725387,
AV711377, AV726787, AV706394, AV715597, AV647692, AV727189, AV725152,
AV709776, AV725386, AV764078, AV703338, AV709935, AV704971, AV702781,
AV706683, AV707654, AC007011, AB007380, AR091393, Y16359, D78345, AR038705,
AR079804, AA25909, AX028305, AR062871, AX020190, AI244005, AX001322, AX009487,
AX026824, AX026823, AX006816, A1244004, AR038855, AX001082, AR017907, A1244003,
AR062872, AR062873, A20702, A20700, AX006825, AX006826, AX006822, A43189,
A43188, AX008355, A98767, A93963, A93964, 163120, A98420, A98423, A98432, A98436,
A98417, A98427, AR038762, A85395, A85476, I66487, AX021518, AR037157, AX042372,
B33865, I44681, A84772, A84776, A84773, A84775, A84774, 115717, AR054109, AR067731,
115718, AR067732, A58522, A86792, AI244007, AX006821, AX035462, A91750, U94592,
A18053, AX011024, A93016, M28262, I08396, AR096545, AX009712, AX003207,
AX032992, AX032993, I13349, AI243486, AR095492, E03627, I48927, AR069650, A90655,
A02712, AR073846, A77094, A77095, AR080470, AR077142, A81878, AX033488,
AX033489, AX032490, A95051, X81969, A18050, AX012337, A23334, A75888, I70384,
AX033474, AX033486, AX033487, A64973, A60111, A23633, AR007512, AR031566,
A60212, A60209, A60210, A60211, I84553, I84554, I00682, A11624, A11623, E00609,
A58524, E13740, A11178, E01007, AX035980, A10361, A58523, D50010, I62368, I08395,
I06859, AR043601, A13537, A35536, A02136, A04464, A02135, A04663, A11245, AX006823,
I03331, E12615, A02710, AX018504, AR035193, A92133, E14304, A07700, AX027811,
AX027809, A13393, A13392, AR031488, I13521, I52048, A27396, AX027813, AX030369,
AX030368, AR069374, AR027100, I49890, I44531, I28266, AR069375, AX042377,
AR083151, AX027812, AX027810, AR091518, AR091519, AX027816, AR072535, AX042375,
AX027817, AX027818, AX027814, AR085082, AR085089, AR085091, I21869, AX042373,
A91965, I44516, A70040, AR085079, A82653, AR085083, AR093185, E16636, AR074365,
A24783, A24782, AR093397, A95117, AR095490, AR095491, AX032758, AF149828, I18895,
E16678, A1270780, I01995, I25027, AR069426, I26929, I44515, I26928, I26930, I26927,
I08051, Z33836, AR038066, I05558, A20699, E00696, E00697, AX001330, E03813,

2040

HDPPN96	498	10443 2	1-2722	15-2736

Column 1-2722:

AX003206, AR093384, I66482, I60241, I66485, I60242, I66483, I66484, AX004550, AX036660, AX036661, I66498, I66497, I66496, AR027099, I66486, AX023553, AX003194, AX023548, AR072540, AR008429, AR009151, Y09813, AR093383, AR051652, AR051651, AI230935, AR043473, AX027636, X07299, E12584, AJ230902, and AA774938.

Column 15-2736:

AL252604, AL252558, AL521077, AL534190, AL527154, AI188636, AI829575, AI819363, A1479350, BG253409, BG032383, AA573959, BE049344, A1300579, BF058420, AW518075, AV716817, BF337764, BI675511, BE888674, AJ983473, AA921746, AW360791, AW271353, A1860888, BE465498, BG030589, A1421961, AA642888, AV716825, AW360790, BI978677, AW519021, A1099593, BF679532, A1680068, AA574099, AW905000, A1076771, BE737699, BE881977, AA16987, A1524207, AA490996, AW008875, A1831282, AW951568, AW798513, BG256677, AA682617, AV718851, AA558194, A1434826, BF127503, BF692032, AW152268, A1431953, A1082278, A1340938, BE826953, A1092446, BE826955, AA031727, BF132325, AA905898, BE826941, A1338719, N33545, AA485213, AW889898, AL527174, BG165994, A1340935, AZ239765, AW172625, AA588812, BE857411, AW178332, W94276, AI799016, BF688081, A1640740, AA128052, AT54987, N29050, AI830594, N41523, BG029968, AW836964, A1128078, A1819575, W81306, A127353B, A1633672, A1373877, AW408127, N81305, N31546, BE720781, A1129664, AW362077, BE940852, N26149, AA715151, AA643990, A1265994, AA115983, N67165, AA491191, A1583113, W24362, W9427B, AA485017, BE827032, AA837151, BF907676, A1205980, A1524775, AA311550, AW804650, A1081801, AV764359, A1446215, A1270774, AT50276, AA768403, BF665222, AA382662, BG012355, AA806723, BG236369, AW946064, BF908814, BF378621, AA115982, AA856715, A1381226, A1676098, AW665881, A1566454, AV760834, BG235898, A1468285, AW613194, A1160813, A1277691, BE774488, AA455666, A1385997, AW946068, BE826861, AW391497, BE826868, AA280276, AW139342, BE843017, AA356204, AA355830, 2D2792, AW365748, AW946013, A1306708, AW402506, AW149289, AA742652, AW803435, BE047704, AA44429, T29910, AW578719, AV737596, BF826934, A1216228, AW801462, AV762185, A1206695, BE005091, BE246775, AA484937, AW380441, AA320856, AI750277, AW582327, BE720769, A1271821, BF977172, N21529, AA169315, A1827431, A1863462, AW365793, A1888019, AA126928, AA031618, N93641, A1962272, AW795951, A1472352, AA301277, BF966683, AA471173, AW629621, AA73414, AA287732, AW967770, BE26948, AA593188, A1654153, A1870683, A1600882, AA806556, AA100165, AA312519, AW795950, H37925, BF966493, AA160842, A1253606, BF360305, A1472713, A1167103, A1444959, BF002703, R57396, M63838, AF206043, AP002534, AB045363, AC006944, AF086545, AC005992, AB045364, S75421, S75429, S75415, AB045362, S75417, S75419, S75433, S75431, S75423, S75424, AF106657, A77033, A7035, AF026816, A1133557, I89947, AC005909, AB045366, S75422, AW9971, AU23657, AB050410, AF119908, AK026894, A65340, AF116631, AL080234, U95114, AB6558, A1299431, AL162004, AB048881, U70981,

| HPCTH41 | 499 | 1014485 | 1 - 1580 | 15 - 1594 | AFI19909, AF200464, AL389935, AFI26247, IS2013, AFI24728, AK026182, X79812, AB050431, AFI18558, AI267849, AF017437, AK027173, ALI37459, U42766, AFI19899, AK026541, AB047904, AB026995, AL133088, ALI09674A, ALP90747, AK029707, AL135701, ALI22049, AL133113, AK026613, ALI37656, AF287051, ALI33619, ALI37550, ALI33049, AFI02578, AK026506, AC006313, AK027096, AK024974, AB040710, ALI37533, AR083854, AK026408, AI250403, AL053458, E03671, AF218006, 297214, X59812, AFI16691, X80340, ALI22100, AFI58248, AK019230, AK026532, AFI30104, I48978, AFI00931, S36676, ALI37557, I33392, AB007812, ALI37558, ALI17435, AF057300, AF057299, AH090934, AFI45233, AFI16609, AFI06697, AR034821, AX019229, AFI18094, ALI37530, U58996, AK026528, AB048974, AB052191, ALI37480, AF032666, AB049892, AFI19936, S82852, ALI37554, AL080139, ALI05049, ALI37555, ALI33665, AR029580, AK000718, AK024594, AFI19875, ALI35719, AFI11849, AFI25488, AL080140, AF090900, AK026642, AFI13677, AL049426, AFI30055, AFI30100, ALI10197, ALI17416, I17544, AF047716, AF090301, E06788, E06790, AFI25948, E06789, AJ010277, A08910, I09499, S61953, A08909, ALI37053, Y16645, A65341, AL39600, A08913, AFI83393, AK025015, AK025254, AFI19843, U73682, ALI37488, AL389982, AL080124, AC008897, AR013797, AK000323, AF218005, AK026045, Z82022, U92992, A07588, AF217966, AL080159, ALI35195, AK027146, ALI33014, AL049452, AL050393, AL53559, AF314091, X89102, S78453, AK024992, ALI33558, AK026522, AK026784, AFI16654, AF090903, AF084644, AF044323, AF061981, AF084645, AFI24396, AK026480, Y00093, Z35399, D83032, S78214, AR050959, AFI55148, AK020905, AK000418, AF076464, U89906, I33391, AF038847, ALI22050, AB041801, AK025208, AK026762, AFI59615, AFI85614, AFI16602, AF081197, AF081195, AK024986, AK026593, ALI36884, AK027114, AK024588, AF208850, AL080146, X83508, AK026549, AX040974, U37339, S83440, and AI869464. AL534018, AI608955, AL533367, AL533937, BFI95713, BE889941, BF968646, BG035915, BG163383, BE896629, BG030771, BE275159, BE548015, BF031407, AL038452, AV723354, BE890109, BE897450, BE876999, BG257446, BGII7242, BE348344, BF965349, BG036194, AL038834, AV695669, AL038833, AW675828, AA775843, BF698072, AA133307, AV691956, BE794982, BG259283, BE883914, BF437152, BE267654, AL533936, AA527167, AV93699, AW511438, BG180250, BE549797, AW273070, BE884294, AA496105, AB090212, BE541569, AI203995, AI028519, AA53461 4, BE889533, BG059794, BG025375, BFI06258, AA243516, BE269547, AW516807, AI677969, BE898115, BE967645, AW069489, BG249079, AI987229, AW100257, BG256131, AI094922, AI394263, AW474045, BFI95539, AW074075, AI802136, AW104727, BP938958, AI860219, AII49730, AA704746, D51000, AW195032, AL533001, BE888200, AW008034, AI917003, AA496106, AL038451, AA214222, AI356769, AAI36981, AI696834, AI446650, AA020916, BE550251, AA662977, BE645707, N99138, BF247377, AA776483, AW239553, AV708007, AW591897, AA643169, AW675505, |

| HPCTY73 | 500 | 1014646 | 1 - 2520 | 15 - 2534 | BE221856, A1086739, AA084898, AA098854, AV755499, AI288293, AW109187, BE349984, W63690, AA627998, AI050928, W24157, AA082949, AI380086, AI268921, BE739237, AI683014, AI304747, BF696797, H04070, AU036026, AI571135, AW023028, N53810, D79162, BF212416, BE294410, AA704097, AI038903, AI93018, AA137106, W75974, AI363453, AI811949, BE295786, AA044053, AA576852, W94506, BE958069, BE281399, BF217061, AA173336, BF032151, AI041633, AI251772, AA243459, BE549674, AA400250, N92725, AA811617, AA223981, AI953542, W92552, AV054742, AW953480, BG252663, BE897606, AA80696, AA400554, AI014946, AI621102, AI094635, AA486190, AU036764, AI657040, AI888404, AA626882, AI690290, AI694823, BF678049, AI365074, AA718939, AA554148, AA494382, AA173378, AA18891O, AI53803, BE967408, T31235, BE302788, N33973, T09423, AA737315, BF512437, H19187, AI129858, AA252722, N99529, AV698656, AA223975, H15121, AA429673, AI929392, AA044107, AA325136, AW45061, AA01781, AA214489, BE739501, AA527605, W69396, AA09112, H4423, BF830980, BF777542, D58179, BF689402, W94622, T09424, AA018459, AV95807, BE892292, H12702, AA457083, BF572956, AW972390, T31376, H18520, H31065, H75897, N71570, AA306354, A473473, R35470, AI826214, AA853847, AA214184, R13838, R37345, AI365298, AV693343, BF697086, AV740488, AA853613, W20343, AA084982, BG142172, AV163336, W92361, AI214139, AA069940, H37946, H75762, BF676082, AA281162, AV751142, AV686664, AA053402, AB014888, AB015799, AF60703, AF075601, AF080569, AB028854, AF035962, AC009502, AX011706, AB015798, AJ094009, AL355379, AC01285, R35491, R39700, R43374, R43374, R68447, H03378, H11259, H12703, H44048, H88618, H88618, N32381, N71786, N81112, W92551, AA019435, AA020866, AA035401, AA074881, AA083038, AA129706, AA159207, AA80446I, N55894, C16360, A399374, AA770083, T24881, Z41357, AI419615, AI571496, AI092327, AI635906, AI936307, and AW048415, AL518813, AL518812, AU123330, AI075755, BE797364, AU126304, AV756391, BG109700, BF688932, AI718572, BG177424, BG023956, BF309413, BE879308, BG029160, BE790882, BG248978, AI609319, BG254252, BF525806, BE620762, AW026470, BG178518, BE901038, AW955264, BF973533, BG032716, AI879405, BE019490, BG118305, BG029617, AU124387, BF796066, BG029635, BE620213, BE877723, BE781287, BG106326, BE562121, BF220270, AW161803, BF796256, BE297841, BE782989, BG251385, BG117122, BE294491, BE206732, BG114282, BE250975, AA608644, BF348360, BG112269, BG034317, BE699088, AW732774, BE689860, BE295394, BE297410, BE881566, BF310319, BE294414, BE888603, BG178314, BE410911, BE280116, BF001631, BF740146, BG118519, AA63042S, BG111525, BE787184, AA485947, BE410860, AA629754, BE893371, BE407690, BE883608, BE391571, AA488670, BG114156, BE018679, BF976316, BE390331, AV752154, BG122380, BE907958, BE907672, BF025729, BE386403, AA987552, AA489876, BE564101, BE301908, BE258586, AL121436, BF982497, BE536007, BF309014, BE207744, BE328845, BF026057, BE259770, BE882306, |

BE395621, BF210762, W31028, BE018039, BE296521, BF202273, BF574495, AA630789,
AV713147, AI127484, BF975587, BE391824, AA600130, AA065213, BE785110, AA491452,
AA165104, AA029604, AA903391, AW737872, AA486197, AA579801, AA525020, N34240,
AA677148, AA129743, AA581720, AI174308, BE221608, BE277533, AA515494, AA115039,
BE296856, AA485641, BE389086, BE543202, BF723608, AA548516, AA664307, BE208035,
BE391728, AI190948, N25641, BH964833, AI146906, AA938688, BF688705, AA97201,
BF698798, AA418116, AI75252, AA213999, AA773550, AA129152, AW410566, AI081932,
AA083303, AA190866, AV713213, AI095102, BE538801, AI878847, BG119905, AL138097,
AA528308, AA643043, AT54056, BG026783, AI288437, AW246777, BF219719, BF215774,
BF131761, C06263, AI283213, AA258622, AA738216, AA554642, AA486053, AI289179,
AA115800, AI038219, BF223877, AU126197, BE042611, AA451677, AA126955, BE392611,
BE302249, AW410567, BF223684, AW238833, AI525546, AA213977, N48063, AI084149,
AA122221, AA191561, AA417938, AA06371, AA16468, W68670, BF195457, AA620481,
T65947, AI752501, AW505121, AA772440, BF723614, AW016580, AA112981, AA219123,
BF237642, AA629909, AA173757, AA127109, AI828577, AA127548, N98774, AW673867,
AA115799, W45371, AA489558, AW511440, AI743190, AA088302, AA156321, N92702,
BG059424, AA099844, AA133290, AA111894, AA453222, AW004650, W48577, AI084706,
AA085694, AA435695, AA306583, AA085441, AI571885, AI954023, BE275723, BE780092,
BF149154, AA749147, D30658, U09587, U09510, AC004976, AC005154, AX026126,
AC006969, AI08910, AI08909, AI08908, I48978, AI08916, AA024538, Z72491, AF113690,
AF113691, AK026526, AK025491, X98834, M86826, AK026504, AI03736, AK000247,
AF130077, AL335957, AI257136, AL389957, AF028823, AL359620, AL389935, AI166267,
AF118090, AF090900, AF119883, AK025967, Y09972, AF090901, AI8777, AF065135,
E08631, AF217982, AK000652, AL133016, U68387, AF116676, N8497, AF119894,
AF090934, AB048974, AL049382, AK026045, AL359600, AL13081, AK026741, AI08913,
AB038698, M27260, EI5569, AR038854, AL13104, AK000718, AF183393, AK025391,
X70685, AL359996, AK026947, AK025573, AI08912, AL050155, I89931, A65340, Y11587,
AF087943, I48979, AL117649, D16301, AL110221, S78214, AL162008, AR087170,
AL080124, AR000496, U39656, AR070212, AF061943, AL122118, I58732, AF090943,
AK000618, AB047941, AL122098, AF116646, AF090886, AI08915, AL117394, AB049848,
AF130066, AF118064, AL122050, AF119909, AF176651, AK027164, AF119856, AL137712,
AL137548, AF113013, AF104032, S79832, AL122093, AF078844, E05822, AK026480,
AL390154, AF132676, AF061836, AX017991, AK000083, AK025798, AH007812, AL080158,
AL137529, AF130087, AK025915, AB052200, AK025254, AL137533, AK000391, AJ012755,
AF116682, AF285167, AL133560, AL137429, I09360, AL389978, X875S2, AL049283,
AL050024, AF022363, AB052191, D06743, AF116654, AL117460, AL162062, AK026927,
AF146568, U78525, M92439, AF227198, I41145, X63410, AL389939, AL122049, AF119937,

IICOPQ33	501	101473 0	1 - 2431	15 - 2445		

Column (1 - 2431 region):

AE82146, AI348085, AV72479, AI670844, BG121803, AA77870B, AW994011, AA576678, AA628091, BG027051, BE348559, AW005563, AI744134, AI934455, AW080366, AW303312, W46414, BE925834, AW360836, AA527295, AW130000, AI676052, AW070798, BE818697, BG056521, AA420456, AI870355, BE673868, AI379929, AI076205, BF063542, BF057010, AI299871, W95308, BF061770, AW005638, AA420856, AW151188, AI380233, AI681309, AW183687, AI498936, BF805203, AA535677, AI364948, AI538944, BF344175, BE813569, AW276611, AW072243, AW087477, AV381051, AA913619, AW003292, AA400464, AV681764, AA912521, AA778589, AA88417B, H90010, BF763632, AA975310, AI453423, AI572187, AA884334, BE645760, AV660830, Z33575, AA657762, AA331097, BF341434, AW193094, I90100, BE004867, BE003539, BE927533, BF762288, AI281304, AV709786, BF093386, AA469215, AA983635, AV725548, AA649143, AI985948, BI931023, AI014655, AW075227, BF439017, AI467955, AA400739, AW994272, AW629195, AI934198, AI968800, AW951463, BE833871, BE833897, N92393, AW97800, AW020030, AW374875, H88219, AA770266, AA333065, AA375477, H89609, AA322324, V94793, AI810275, AA622877, C15879, AW235096, I88220, AW360802, BF925976, I189373, BE868139, N80276, AA385905, BE004865, AW888412, AV75071, AI270170, AA090808, AW293597, BF858923,

Column (15 - 2445 region):

E04233, X84990, AF106862, AL050108, AK025375, AL110225, AL117435, U42766, AK026608, AK000450, AL110218, X06146, AK027204, AK026464, AX005804, Y11254, AF119896, AB041801, X62580, AL049430, AL133075, AX046842, AK025708, AK025484, AF057300, AF057299, AL162004, AL080074, AK024594, AF067790, Y10655, AB016226, AI000937, AF116610, AF113699, AL133640, AF143723, AF079763, AL117585, A07647, AK025524, AL442072, AK027096, AF321617, AF061573, AF130059, D55641, AL137556, AI8788, AL137463, AK024524, AK027113, AF118094, AL389983, AF119878, AK025906, AF119865, AK026522, AF111851, AF217987, AF112322, AF242189, AF130082, AL050146, AF039138, AF09137, AD049892, AK026533, AL122121, AF266204, AX020124, I89934, I89944, AK027116, AK026865, AL080060, AH097996, AK026528, I02253, AK025414, AK027146, AL137538, AL359941, AL080137, S76508, U91329, AF081197, T47551, T47552, T6452, R70190, H97064, N53261, N67904, W16899, W20316, W40137, W48722, W68775, W74242, AA033573, AA033574, AA063270, AA06489, AA082200, AA083707, AA099984, AA126905, AA127549, AA128933, AA13251, AA151963, AA156382, AA160182, AA180038, AA182644, AA189556, AA652586, AA197348, AA195895, AA258593, AA262173, AA464978, AA465047, AA292727, AA523585, AA551816, AA568802, AA832441, W27768, C05889, AA089556, AA612910, T10852, T24678, F00208, F00897, AI628550, AI537119, AT799363, AI950764, AA49512, AA72910, AA927731, AD86281, AW195977, and AW338352.

HOEBR36	502	1014754	1 - 1170	15 - 1184	AI700913, AI380934, BE089397, W24710, N85428, BE815044, AA334252, W07405, T24741, BF509328, BE836685, AW379683, BF805153, BE004814, BE004863, BE816211, Z46629, S74506, AC007461, AF029696, AF106572, AB012236, and U12533.
HLWD266	503	1014849	1 - 682	15 - 696	AI830209, BE892339, AA056177, AW090080, AW959783, AW959780, AA639200, AI126271, AA858013, AA046424, AA947131, AA302895, BE171412, AW959774, AA302900, AA661502, N68025, AA302899, AW149294, AA302894, AW804757, AA970770, and AC005225. AV649008, BE874350, AA446693, AA449142, Z45275, AU132020, BE869339, AV648920, AW992782, AL138309, AV648696, AW007264, BF241714, BF959303, AU132889, AB011100, and AC053513.
HOEER36	504	1014869	1 - 3039	15 - 3053	AV713485, BG036534, BG170867, AI14598, AI11173, BG036983, BE150520, BE150675, AW961549, BF001502, AW966635, BF05852, AI11172, BG107400, BF683214, BE182687, BF513307, BF513304, BE348776, BF211600, AI686319, BF434037, AW009260, AV751640, BF437703, AW182505, BF434712, BF448430, AI658772, BE706456, AA570410, AW178382, AI138925, W84417, AI674263, BF184577, BF706455, AI352522, BE045375, AI202369, AI814344, AI14165, AI129867, AA913359, BE714168, AW615181, W38032, BF567748, BE674831, AI499784, AW237447, AW615373, AA291444, AI148057, BE348487, AA854179, BE706450, AI077329, AI215899, BF81738, AI275129, AW408721, AI301615, AW014525, BF431546, AI246490, AI143146, AW020055, AW149486, AI479250, AA772266, C14273, AI924398, AI719548, AW131580, AA120892, AA643857, AI298759, BE676037, AA191426, AW178336, AW514636, AW150733, AI04121, AI206905, BF967845, BF955169, BF693178, AA445939, AA446925, AI970714, AW968513, AW337533, AI660155, AI363053, AA461221, AI095282, AA779601, AA478839, AI304699, AA992491, AA024881, N63209, AA505701, AI090759, AI913992, AI766836, AI076142, N94041, AW380390, AA884384, BE706402, ALO45996, AI190727, AA635512, AW025253, AI654598, AI830690, AA854125, AA227639, AI094000, AI762540, AI863564, AA421630, AA554337, AI354541, N31668, AA032235, AA443348, AW380690, AI470075, AH418779, H18718, AI476471, AA389499, AI435164, AW341930, W38992, AI268787, N32541, AI660523, BF197310, AW439788, AA805244, AA024841, T05966, BE219831, AW057869, BF10907, AA024760, N57135, AI147635, W67116, AA316131, AI160223, AA483817, AA747030, BF057333, AA680140, AA614781, AW072149, AI521097, AA150539, T65551, BF749204, AA954811, N98640, AA46091, AI122872, BF057345, AA906065, AA970380, AI000154, AV724982, AA737575, T65618, BE327373, R83612, AA446007, AW41748, W67360, BV058074, AA227491, R83759, AA424865, BR706452, AV701935, AA877727, AW560967, AA024759, AI379985, AA512913, AI302491, AA906988, AA132381, N29103, W79433, AA625948, BE714160, AA621021, H27412, H09870, H82388, BG142122, BF108978, AI906648, H98146, H82361, Z45598.

HEBCX75	505	101501 0	1 - 1021	BF508570, BE64977, AV721684, BE856604, BG028863, AI570575, AI744298, W49489, AI693612, BE326589, BE222091, AI916606, BE218632, AI653636, AI928148, AI765683, AW961248, AA970114, BF433076, BE670991, AA702087, AI077996, AI638651, H40653, AU078395, AA846631, AI039434, AA233302, AW052158, AI702147, AI637587, AA932630, AI799774, H27897, H08753, AA327485, AI470586, T15460, AA054083, AI036302, AW276842, AV765971, BE047069, AI963720, AI633390, BF668217, BF942454, AI061334, AL046409, AV740801, AI708009, AA491814, AA623002, AW082108, AV763255, AA526979, AV764307, AI051816, AA581903, AI814735, AV761786, AV762395, AV762111, AI568678, AW833862, AV735370, AI273968, AV759274, BG059568, AV575742, AI344844, AU841690, AW979031, AW029038, AW193265, AV762826, BG231262, AW439558, AA578861, AA610491, AI783494, AI350211, BE677379, AI355206, AI284640, AI613280, BF887977, AI374809, BE156019, AI281881, AL042420, BF942059, BF942223, AW088846, AI064952, AW662543, AW083364, AW083402, AI431303, AW473163, BF918590, AI679782, AU545654, AW276827, AA525898, BF216716, AI801600, AV72928, AW517377, AA632994, AW972628, AW504669, AI634384, AL119691, BE350475, AW303876, AV703682, F36273, AW189303, AV760937, AV763354, BF883012, AI619997, AA806796, AV683151, AI873916, BF915247, AV734666, AI334443, AI368745, BF939954, AA469451, BF942311, AV731764, AV763633, AV699480, AI305766, BF919090, AW438643, AW088202, AI807650, AV762139, BE046438, AI610159, AW150206, AI239488, AI929531, BF854876, AW467735, BF942068, AI345681, AI141675, AI345675, AI085719, AA714453, AA468131, AI886629, BF915722, BF475381, AA56947, AV760624, AW082492, AA503258, AI669453, AI688846, AW104748, AV737044, AI792287, AW303196, BF840676, AA535661, AW274349, AI890570, AI251436, AI796627, BI940837, AV700487, AI471181, AA493471, AI962050, AI375710, AW513362, AV719316, BE206443, AI611990, AV710066, AI521679, AA225246, AI053672, BE049095, AI889781, AW193432, BG171096, AI860020, AW301350, AA219129, BE139267, AA947364, AI270117, AL040130, AI890928, AV761362, BF849758, AV761489, AV760774, BF962283,
			15 - 1035	BF343177, N45101, AI278966, AA488870, AA740739, H82281, H09784, T05967, AA446283, AI913814, W79334, AI470792, AA485130, AA700683, R69895, N58195, N24195, AA160177, R20838, H82257, BF827024, AA488948, T31516, AI669670, R12018, H75876, F11949, AA385622, AI873646, AA426159, AA765971, T54644, AV688097, AI44183, AB047620, AF172066, AB008515, AI130102, AB041566, AF006465, AI050299, AA046606, Z93020, T54727, R06416, R06471, R13568, R19094, R20837, R25303, R37466, R39871, R42017, R42017, R46657, H75742, N42887, N93553, W21158, W38031, W67361, W84360, W84361, AA032287, AA132380, AA155620, AA255885, AA569636, AA573031, AA720974, AA732535, AA83731, AA904090, D82558, AA401891, AI051465, AI079793, Z42542, Z41285, F09596, AA693668, AI41775, AI82534, AI458340, AI200672, AI201629, AI658512, AI865217, AW166843, and AW337733.

| HVASI06 | 506 | 101502 | 1 - 2920 | 15 - 2934 | AA226153, AI168185, AI339850, AV764241, AW419262, AI368256, AA713815, AA843450, AV699370, AW576391, AA720702, BG058664, AV762558, AI589230, AI119713, AI620724, AF063563, AA551552, AI955323, BE243412, AA877817, AA631507, AA810318, AY759362, H71429, AA670468, BG169853, AI266576, AW972769, AW272758, BE139358, AW820127, AW270270, AL117471, AL022316, AC016554, AI357992, AC004999, AC008267, AC005031, U57004, U80017, AF084195, AC005000, U57007, S75201, AF015153, AC016642, AI079340, AL137790, AC005773, X74558, AC000228, U47924, AL353807, AC007993, AC010281, AC008738, AL031055, AK025032, AL118506, AF015149, AC004010, U57006, AL359272, AF077058, AC006512, D83989, AC007722, U18390, AL034412, AK022938, AL161788, AC005264, AC068499, X55932, AC008078, U18396, AC004009, M94634, Z95114, AL135481, AF015148, U18392, AC004234, AC018728, U57009, X75335, AP000082, U18391, AL031255, U18398, X55925, A277892, U85195, X51956, X76070, AC003370, U18387, AE000658, U18393, U57008, I51997, U18394, U57005, AC010645, AC006238, AL121886, X54180, AC019014, X53550, U18395, AC078842, AL354915, AL009029, AC006392, AF015157, X54175, AL109804, AC005221, AC004941, U18399, AL158830, AL139396, AL121752, AL391259, AL035659, Z82217, AL021938, AL033375, X54176, AL161670, AR041992, X55926, AI356748, AF184110, AF015151, AL354750, AL137802, X54181, X54178, M19364, U73479, AF015147, AP002529, X55931, X55930, AC005815, Z83844, AF015155, AC007382, AL133353, AF015167, AL355540, AP000305, Z97987, Z93017, AL354864, AL159152, AP001717, U18400, AC004853, X54179, AL445590, AC025471, D14872, AF015158, AL022322, AL162212, U62317, AF156539, AC006057, AC006292, AC016601, AL356863, M37551, AF261899, AF181449, AC006059, U67801, U01102, AC006126, AC004087, AC004870, AC068919, Z98043, AL023494, AF015162, AC005690, AF015166, X55922, AC010219, AL355306, AC008066, AC011751, AC005606, AC007543, AC007151, AC002449, AP000115, AF039590, AP000047, AC006449, AL049844, AC009477, AL031577, AC004672, X55923, A39972, AL159168, AL022156, AL118497, AC035147, AC009001, AC005189, AF064863, AC007065, AK022281, AL137008, AC006276, M87919, AC004460, Z82245, AF003627, AL049856, AL161731, AB052151, AC005480, AC005876, AC010478, AL136295, AL365509, AC009123, AF015160, U52111, AB048999, U02532, AC002470, AL121920, AL360272, AF050154, AL161937, AC004838, AL096678, AL391839, AC005391, AL353602, AC018639, AC005162, U38672, M87925, AL356278, AC011666, AL450224, A251973, AC077690, AL133245, U67234, AP001342, AL357560, AP000359, AF031077, U35114, AP001666, AC005071, AC004826, AC008088, AC007371, AL390793, AP001686, AC005599, AL049762, AL353802, AC004047, AF015152, AL049776, AF137396, AC007324, AL450226, AL121913, AP001224, AC004594, AA017658, AA054197, and AI253214. | AU134143, BE870387, BF001941, BE710214, BG260588, AW963406, AI961474, AW382909. |

HDPXP07	507	1015059	15 – 2244	A1923923, A1990751, A1813884, AA843844, BE219683, A1301132, A1963119, A1935247, A1690278, BF034743, A1740608, AU155243, AV698922, AW361050, A1264633, AW861027, AV694407, AW571756, BF036889, AW196974, AW274440, AW237561, AW263591, A1566325, BF477676, A1890112, A1985954, BE897725, A1587310, A1986332, A1968319, A1972620, A1675856, AI033049, AI554274, A1922853, A1738691, AW687198, A1342974, AW066263, AW963780, A1024422, BE645280, AA947925, A1138813, A1867016, N25349, AW029458, AW276074, A1026634, BE567485, AA505889, AW007315, AA862214, AA906022, A1797947, AA484620, AW365086, BF879746, AW963781, A1888735, BF588737, A1356599, BF149394, N31464, BF334228, A1688404, A1307247, BF438285, A1478287, AA491776, AA583862, A1000815, AA372018, A1289801, AW070462, AA577288, BE091511, AA72582, BF832097, A1995976, BF06252l, BF738014, BE711625, AA22327, BE000165, AA548574, AA594055, AA330741, BE074780, A1686185, AW56698, AV685864, AW014082, A198886, R34321, BE645893, AA301143, BE465958, A1206620, AW363149, A1524791, A1860801, AW273907, BF832849, A1468354, A1689913, A1799367, AV690524, R34204, BE604170, AA573469, AA948211, A1673243, T24686, AW392026, AW391990, BE708454, AW373130, AA771534, H95975, BE081095, BE933477, R35237, A1806231, BF816619, A1367468, BE541503, BE718010, BF059308, AK001805, and AK000178.
			1 – 2230	AU143256, BF155736, AV715833, A1826460, A1811455, A1884890, AA76910, BE934114, AW966220, BF790844, AU152276, BF033751, BF576977, AU153650, AW166211, A1864665, BF081591, AU160375, A1084922, AV292992, AA779447, AA523564, AU025234, A1823888, AW418525, A1452519, A1360060, A1684798, A1655985, BE961037, AA026021, BF433538, AA202095, AA766554, AW770982, BF208277, A1276257, AA394033, N64369, AA825817, A1393837, AA435643, BF361706, AA639510, BF217285, BF672893, D60974, AA286843, A1689818, AA251918, AA807639, AA435651, A1246329, AA251762, AW772604, D25894, BG009135, BF736545, AA286844, BE967276, R22470, AA665974, A1570715, BE180751, A1702262, AA026294, BE935513, AW631147, BE812849, A1685029, H26865, R22420, A1565266, BF827750, AA090746, AA337356, T24552, N41739, BE170545, AW800651, AA169886, AW95854, BE935255, BG012432, AV692600, AV697880, AK023226, AV007102, and AK023074.
HE2KH02	508	1015093	15 – 3578	AL527105, AU137261, AU116991, AU137245, AV728472, AU137316, AU137381, A1139297, BG261206, AU136360, A1139962, BE549360, AA081939, A1677834, AU157422, AU135906, A1920027, BE785633, AA454989, AW07113, AW664875, BF591622, BE042932, AA154230, AA454990, A1378574, A1936349, AU138016, BF447224, BF337029, A1431805, AW360838, N95598, BF107069, BF084965, A1911175, BF110906, A1221497, A1379409, BE501519, A1424080, Z98481, BF084957, A1236458, AA095045, BF575997, AA553994, AU157090, BE894931, BE891457, A1032765, AA417372, AU156358, AU157150, AA236364, BE568360, A1697933, A1818384, Z98482, A1921677, BF838050, AA445961, A1082210.
			1 – 3564	

2049

HSPSI60	509	1015133	1 - 2217	15 - 2231		
					W95230, AU158241, AI091076, AA506175, AA430015, AI421265, AI298191, AA234597, AA446607, AU157621, AI184628, AW150103, AI968355, AI160255, BF763895, BE787845, AI922575, AA127941, AI698713, AW631464, AA082709, BF996242, AU156234, AA349343, AI082630, AA432406, AI359038, BFI07137, AA679150, AW663609, H7569x, AI290754, AA974762, AI081905, N54280, AI167548, W92605, BE867569, AW953100, BF754315, AA234077, AI796414, 743674, AA349342, BF763226, AU156673, AA326838, AA264875, AA985275, AI338482, H09246, R10251, H89051, AA322020, P07511, R35580, Z39729, BE938777, H88968, AI83429, AA329190, AW205463, AA300737, H90664, Z42072, AA127975, AW900790, BE087669, W28679, AW845211, F01609, R97673, AA357051, T32922, R25767, BE551259, BE046333, T98859, AA446736, F03743, AA322004, F05351, AW190294, AW360832, T99455, AW809871, BE842258, AW809929, AW809987, AW810059, AA005304, AW809988, AW809966, AW609106, AA969499, BE842157, BE842133, BE842285, BE842284, AW809978, AW809872, BE842172, T27300, AL137756, AB023169, AL055448, and AK024349.	AA631938, AW271824, AI793342, AI582327, AI284346, AA694067, AA285037, AI040042, AI683785, AW504437, AA282330, H11593, AI800992, AI139177, AI090037, AI804488, AI040087, H11679, AI279357, AI264909, AA282229, AI381465, AI199387, AA908723, F09528, F11880, AI240419, AI784560, AW865862, AA501653, AI243707, AI868576, AW576309, F11200, F08866, AA282817, AA278915, AI537020, AI801505, BE138594, AW591276, AW505253, BF769368, AI699840, BE968744, AW692277, AW026305, BE077105, AI421950, AW327649, AI419337, AV733383, AA857812, AW023111, AI310670, AW700192, AW338035, AI797998, AW338021, AI890324, AV718506, AW438542, AI861090, AW084445, BE244178, AV763026, AV763058, AA515728, AI335387, AA282951, AW314662, AV730986, AI538852, AI187148, AW327624, AV756491, AA873573, AA916430, T7561, AI310787, BF839844, BF528591, AA173166, BG029528, AV695953, AA410788, AA719073, BG03670, AI369580, AI821420, AU159329, AA501461, AI114534, AW328202, BF530611, BE893315, AA58204, AA570740, AA483606, AA526542, AI347603, AW500127, AW088656, AA614139, AW978041, AI090377, AA226584, AV755512, AI279417, AW973992, AA664604, AI267356, AI349130, AW467536, AW969743, BF763954, AI889579, AU159185, AI634187, AI257456, AA807704, AA773463, AA634837, AW068596, BE084668, AI491765, AI871691, AI380617, AA004644, AA004494, AA008403, AA004815, AA005399, AA004216, AC007597, AL031311, AL121890, AF111168, AK001397, AC012309, AC084007, AL034417, AC025447, AP001727, AA005696, AL109843, AA004181, AL137073, AA023344, AA005666, AL035659, AL035662, AA005200, AL079303, AL356299, Y17458, AA020908, AL035413, AL022163, AC008745, AA005095, AL049839, AL034429, AL096791, AL031300, AA005300, AL132653, AC010163, AL096702, AA001747, AC006388, AB000876, AC006487, AL355530, AF088219, AC005921, AC006023, AP000302, AF111167, AC010422, AL118520,

HOCOC26	510	1013	1-1279	15-1293
			AP000114, AP000046, AC007216, AP001717, AC007207, AC010326, AP001412, AC007371, AL162724, AF241728, AC005225, AL136304, AC004675, AC009364, AC008969, AC020904, AL121752, AF001548, AF067844, AL109921, AL049631, AC009087, AL450226, AP000152, AL136135, AL391839, AC004383, AL109825, AL033397, AP001208, AC006511, AP000505, AC007546, 298051, AL049576, Z83826, AF168787, AC005281, AL158824, AC011494, AC026881, AL109614, AL136295, AC005730, AB000882, AL137026, AC006077, AL096701, AL121758, AC004840, AL133344, 295331, AC005324, AL117694, AC011442, AL133320, AC007242, AC058791, AC006038, AL359763, AC004832, AC004491, AC006946, AC005522, AC005995, AC005015, AL390028, AC005632, 195742, AL136137, AC018663, AR036572, U91328, AL356020, AL033527, AL133519, AL450224, AC024154, AL136418, AC020750, AL162213, AL389886, AC006160, AC018764, AC010271, AC018738, AL133405, AC004448, AP000547, AC005815, AL137009, AB026898, AF241727, AC024563, AC020916, AF031078, AD000685, AC017004, U85195, AC004797, AC006530, AC008760, AC008669, AL121712, AL031652, AF030876, AL022313, AL136300, AL354993, AC008699, AC005972, AC002554, AB006058, AC011510, AC006111, AB03B161, AC007956, AP001052, AC005566, AC004966, AL049843, AL137039, AC008044, AL049494, AL033525, AB003151, AL354816, AL109743, 298304, AJ003147, AC026691, AL031727, AL008732, AL158823, AL133551, AL137012, AL096870, AC006349, AC008392, AC006241, AL137060, AF003626, AL031848, AC022407, AC083463, AL021939, AC003665, AC004898, AL035361, AC003962, AL117334, AL008718, AL354720, 283844, AP001752, AP001670, A277546, AL096763, AL139396, AC005751, AC009155, AP053356, AL109797, AC005040, AC008543, AL117382, AC007686, AC010527, AC005412, AC003957, AL049709, AC020552, AC018639, AL158830, AD001527, AC011475, AC008738, AF512915, AL133229, AL049868, AC005231, AP000555, AC011465, AL353643, AC007404, AL031905, AC005670, AL031733, AL035407, AC003010, AC005907, AC005952, AP001728, AF104455, AC005572, and N56480.	BP966811, AI139894, BG118263, BF195527, BF204431, BE313788, BE890485, BE894627, BE314751, BP966263, BF432361, BE735161, AA883980, BF663221, BG106026, AW961104, BG106361, N36835, BF593985, BE778904, BF594016, AL523105, BE314195, W57556, BE384447, AW516745, AA651722, BE464689, BE206345, BE385654, BE903910, BE314758, AA233222, AA081411, AA576915, N43012, AI027450, AA813248, AA434399, AI685850, AI36025, AA434496, AI161302, AI085313, AA652104, AA084094, N30355, W04936, N57768, AI20B803, AI33348B, N55453, AA422072, BE019744, AA826596, AI084015, AI341871, W80670, AA233146, AI378563, N33349, N62846, AI339805, N34024, AW272713, AD42276, AA554001, AI45995B, AI200074, AA635564, AA927412, AA814024, AA632073, AA628055, AA482362, W80669, AA251750, N46055, AA081410, N47028, AA719788, BH36020, N48163, 2I5692, N63935, AI032947, AI1359, AJ364376, T32008, R08771, AA922239, AI149973, W46253, AI222458, AI674237, BF364286, AA829780, N59733.

Clone	No.					Accession Numbers
HHEDC05	511	101520	4	1-1091	15-1105	N77753, AW768948, T91056, N76825, A1056152, AA838257, AW369966, W38648, AA722692, AW753144, AW166070, A1216252, R38770, AA343770, AW062297, N70614, AW874454, A1749296, N46938, BE842815, AW166050, W84892, R10337, N98262, H63292, AA887202, AA485043, A1918183, BF213866, D58354, T85922, AA902514, and A1122003. BF798056, BE898210, BG168649, BE778156, and BG114611.
HODES86	512	101530	4	1-1226	15-1240	AA06301B, AA06345B, BE780703, A1644822, AW517939, R02632, AA838190, A1580250, BB04307, AA776646, AC005899, AC007956, A1162615, AC005566, U95742, AC007216, AL138836, AC021876, 107563, AL034377, AC007308, AL021397, AL133448, AC007226, U91323, AC022073, AC006958, AC005529, AC011452, AL121929, AC010422, AP000033, AP000269, AL353807, AC003029, AL357752, AL450226, AP000103, AL133246, A1137039, AC003043, AC004664, AC004655, AC005399, AL050307, AB023049, AC002455, AC005500, U68030, AL031295, U95739, AC005324, AL450224, AC005015, AP001670, AL121675, AC004812, AC010150, AC006312, AC005594, AC004000, AC003070, AL032821, AC006254, AC004021, AC012558, AC008753, AC002470, AC002565, AL118506, AL354864, AL049840, AC008264, A1011495, and AA069510.
HOPTU57	513	101532	4	1-1631	15-1645	A1801386, A1130729, A1951354, A1346419, AA97442B, A1143115, AW162717, A1340949, A1148649, BF569612, AW054866, BF570440, A1206813, A1185787, BE615293, BE410344, A1951681, BF569961, BF685656, A1951257, A1189212, A1203857, A1884988, BE573464, A1268318, N30165, AA724367, A1340361, AW161821, BE388759, AA176575, BE294378, AW083817, A1332853, A1962867, AW148547, AA846546, AW516896, BG035497, BF685742, AW664467, A1097222, AW263822, BE733969, A1193863, AW085571, AW029466, BE877593, AA903789, AV721231, BF058882, A1200195, BE736206, AA719226, A1186165, A1183135, BF569699, AA180753, BF337640, AA721964, A1921807, AA595181, AA718926, A1140283, A1476531, AA719628, BF671968, A1093516, A1130702, AW874672, BE540302, BE314325, AA744704, AA836082, AA708878, A1612744, A1093408, A1139691, BF125815, BE901001, A1127942, AW157808, BE512823, AA639777, A1141125, W84441, A1074425, A1126845, A1148609, A1993729, A1027734, A1283187, A1148639, AW514401, AW960583, AW151167, A1088686, AA740789, AW613465, AA411261, AA707918, BF341253, BF337784, BE794317, W74453, BF342200, AA503552, AA225290, AA663414, A1985822, AA521379, BF968286, AA479563, AA740789, BF78259, BF791194, A1879480, A1088256, AA757493, BF675006, A041962, A1161406, W00350, BF973456, AA411186, F30500, A1143021, A1758705, A1970716, A1190490, A1355378, A1459406, AA062856, N20564, W52133, A1135997, W78166, W45702, B1394387, W60579, A1192165, AA176922, A748277, B1673324, AA846717, AA651723, AA708138, H18117, W19268, BF796730, AA628056, A1888013, A1074834, AA577396, A1560683, AA39221, H20010, AA180945, AA632093, N35390.

N80250, AA416920, AI971294, AA501892, AA062977, H18600, N77881, W72769, BF092983,
AW090442, AA284848, AI335676, F22164, AA610239, H52815, BF355451, AI356135,
AA283629, N40133, R73409, AW161365, W61065, AW952237, AA983338, H46972,
AA995555, F29369, AA991213, F27269, AI538233, AW469057, AA977959, BE408156,
H48157, BI768202, AW628123, AI352626, AA708042, R73408, AA046261, F24692,
AA531414, H42259, N28950, R52917, AI187953, AI878978, AA316704, AW88412?, H45270,
BF341549, AI193933, W79296, AA574281, N35780, W79209, AA723542, AI200306, W79732,
H41661, H68388, F26683, H47041, F30761, F21189, W44349, AA468413, H22359,
AA702298, AA512257, HI9491, N41887, AA513419, AW166477, AA468024, BF924521,
N69955, AI670739, AI472818, W03634, T78320, T78070, AA876656, I91909, AI673634,
R53693, AI217576, H2029&, F32695, AA213997, AA343632, AK026717, AC008745, U67171,
AF015283, U67450, AF083062, U67853, AR026671, AC007297, AC004876, AC008474,
AL050349, AC008739, AC058791, AC004987, AC006345, AL353777, AC024075, AL137162,
AC007981, AP000065, AC006441, AC005049, AL353748, AC004882, AL109798, AC007739,
AC023490, AC010422, AL022238, AF223391, AC007957, AC004893, AC008079, AC007881,
AC005273, AC004659, AL031846, Z82203, AC004382, AP002015, AP000556, AL021977,
AC008753, AL390374, L39891, AL121601, AC005703, AF228703, AC023491, AC012068,
AP001729, AC007782, AC006057, AC009116, AC009955, AC005305, AC008521, AC007097,
AC007030, AL133215, AC008569, AL096701, AC004638, AC006285, Z94161, AF270525,
AC002115, AC020904, AP001053, AC009756, AC010328, AC007199, AC003690, AC002492,
AC008551, AL050318, AL050348, AP001730, AC005520, AC004929, AC005011, AF243527,
AL022323, AC005913, AP001725, AL049868, AC007216, AD000833, AL133546, AC008969,
AF111168, AC006388, AL078461, AL353807, AC005004, AL020997, AC004883, AL138919,
AC011495, AC011514, AL354993, AC005914, AC010605, AL049597, Z83843, AC005620,
AP001670, AC009506, AC004166, Z73417, AC021036, U47924, AC011470, AC031311,
AL031281, AL359828, AC004151, AC009330, AL035450, AC006146, AC008806, AC000085,
293015, AC008041, AC011533, AP200465, AL022771, AC008267, AC005046, AL121712,
AL354864, AB022785, AC010458, AL139343, Z85986, AL009183, AC006538, AC007452,
AC004828, AC003043, AC004965, AL137119, AC005484, AL354696, AC005080, AC011449,
AL118520, AL031230, AC005150, AC004848, AC005911, AC002996, AP000305, AC005512,
AL049759, AC010358, AC020916, AC004971, AL391122, AL136179, AC007882, AC020913,
AC007225, AL117381, Z98051, AC007686, AP000115, AC004955, AC005777, AC009247,
AC011510, AC000353, AC006960, AC002352, AC021016, AC005412, AC009314, AL157776,
AC005180, AC002310, AL022320, AC005399, AC008372, Z98050, AC008848, AP000557,
AC020906, AP001752, AC007383, AC004089, AC022201, AC005527, AC073651, AC010553,
AL049840, AC006023, AC016995, AC016898, AL157702, AC005513, AL109936, AC012318,
AC005821, AL031315, AL022315, Z84466, AF196971, AC005081, AL023755, AC011473,

| HVCAC71 | 514 | 101534 3 | 1 - 2211 | 15 - 2225 | AC007193, ALU23553, AC023510, AC006064, AC025588, AF038458, AC006483, AL133245, AC004898, AC006536, AC015550, AP000509, ALI61445, AC010289, AC005317, AC004408, AP001712, AC004230, AC009200, AC009470, U95742, AC005886, AC011475, AC005822, AC005236, U62317, U91322, U07562, AL008716, ALU21154, AL132981, AL136137, AC011442, AC007021, AC006028, T90441, T81590, R65744, HI9475, I121633, H21818, H22367, H40107, H43522, H45044, H65340, H46545, H47022, H49921, H49943, H50452, I56927, I61260, H81390, H83875, HI9856, N30638, N74188, N79063, W60580, AU029396, AA031684, AA062616, AA062757, AA062796, AA062850, AA282833, AA455251, AA522723, FI6347, FI7199, AA617907, AA627498, AA720900, AA834379, AA876248, AA878511, AA939264, AA946997, FI9097, N84953, N87315, N88591, C02748, F20183, AA401396, AA399954, F20957, F21469, F21730, F22535, AA719756, AA757551, AA913761, AI041423, AI087398, AA550895, AI246789, AI309239, AI142938, AI191027, AI203729, AI206692, AI207941, AI537425, AI272278, AI690113, AI826780, AI863955, AI869092, AI935849, AI971086, AI986350, AW081415, AW084197, AW152139, and AW316659. | AL531715, AL524911, AL538331, AL513967, AL531968, AL521532, AL535009, AL522609, AU131245, BG033342, BE732361, AU123775, AU123828, BE512659, BE271204, BE270981, AD29349, BE901163, BE791770, BG031293, AV759759, BE019767, AU132291, BG034493, BF982477, BE299703, BE906310, BE788844, BE536530, BF990442, AU129887, BG026557, BE281025, BG257133, AW966738, BE878567, BF038336, BF967326, BE312843, BE559997, BG250373, BE278410, AU123662, AV685929, BF701310, AW163404, AA885286, BE731743, BE278525, BE538100, BE560136, BE777712, BE260324, BE882710, AU135115, AW440395, AE290358, BE869232, AU127084, BG035037, AW835061, BG171590, AI806103, BE783330, BF216041, BF028268, AL048517, BG168385, BE869959, BF211634, BF309468, AI572966, BF217684, BE569115, BF130434, BF725661, BF976905, AA306785, AA652324, AA743442, BF571852, AI689767, BE777927, AI003312, BF131121, AL521531, AL522608, AI040166, AI744792, AL538330, BF977349, BG258031, AI493354, AI431952, AL157595, BE974206, BE466004, AI139721, AI188584, AA503712, AA450240, AA861312, BE549795, AI139594, N90748, AA436633, AI165115, AL535008, AI181105, BE855625, AA948158, AW294485, BE536025, BE267993, BF211208, W07594, W70169, AW419332, BE245183, AI360697, AA419100, AI831987, BE773290, AV650249, AV650684, AA961990, N66078, AV650578, AV650246, AA234056, AV650773, AV650519, AI317420, I143456, BF934864, H79111, AA732606, BI241621, AA210764, BF447411, R59256, AA494115, AI371989, AV657836, AV650338, T85952, T29861, AA251969, AA079805, AI628072, N90844, W94361, AA129527, AA026911, AA232668, AI695838, AA337805, AU128527, W70111, AW950187, AI474226, D54979, AA581060, AA453859, F02411, D52775, F06140, AW591856, BF248214, T84801, AA356231, F08428, D54566, AA627894, AI918502, AI31257, AI744927, D53585, AA079631, AI469209, AI589005, AI874218, AI359248, BF464374, AA095541, AA828719. |

	HSXCO55	515	1015360	1-2745	15-2759	AL527889, AL527888, BF343138, AL525819, BE781680, BG115556, BE732112, AL530486, AU122091, BE884555, AW249027, BE887877, AA702154, BE791388, AA393120, AA195059, AW187982, AA195007, BE787037, BF887726, AA070569, BF881875, BI763234, AW579952, W27989, AA463417, AA463415, D58463, K43806, BE729116, AW379954, R13030, AW000977, BF026502, AW062942, AI334193, BF026980, T66403, AA345992, BE728080, Z44042, BF929103, AA463416, AW848503, AL119081, BF995780, AI836057, BF508517, R97564, BF096090, AA011352, W01495, I45292, AW175839, F34844, AW611799, AV749885, AI872514, AI022690, AA703171, T88769, AA613181, AW976173, W67739, AA412730, T75524, BF090941, BF725485, T33712, AW957599, AW954617, BF09089, AW294156, AI902810, AI902811, AI902809, R83640, F06662, BE832422, R19646, T75487, BF763254, AI703131, BE551051, AV720683, AK022332, and AL021918.
	HLWDB78	516	1015430	1-673	15-687	BF969831, BF210218, BF701279, AA287742, BF541219, BF666412, AU128625, AU126697, BE543575, AA641789, T79066, R09452, BF351826, AI765200, AW998878, AW001630, R24433, AA278916, BF091528, AK001322, and AK002939.
	HPCQU04	517	1015563	1-2931	15-2945	BF900483, BE900430, BE979781, BE798566, AI188793, BF792027, BG259644, AW968896, AW005670, BE727050, AU132150, BE903813, AV717509, BE794911, BF440058, BE397846, BG112908, BF312588, BF337644, BG169372, AU117650, BE885591, AU136686, BF344095, AI948456, AW007242, AW974579, AW512338, BE899401, BG258649, BF971664, BF204385, AI824036, BF029478, AW733016, BE616290, AW512086, BG166646, BF305249, BE292944, BF337814, BF205251, AI680132, AW467417, BE275029, BF666066, BE265405, AI201616, BG113759, AI858016, BF666327, BE278101, AI862344, AI768091, AR70673, BF444957, BG180941, BF665980, BF693760, BF438522, AA411615, AW574525, BF748032, BF206162, BG056483, AV756764, BF667991, AA613845, BE927946, BF305222, BF306174, AW245503, AI880678, AI017414, AI688226, AI419240, AW072254, BE327020, BF206174, AW245503, AI629015, AW972081, BE894643, AI505693, BF686381, AI349534, BE327566, BE280363, AA305538, AA30698, BG256671, BE617374, BF512243, AA046475, BE280085, AW96462, AA205538, AA30698, BG256671, BE617374, AA577517, AA827418, BG110051, AA988140, AI806669, AW401445, AW96928, BF856214, BF849224, AI002518, BF204740, BF309846, BE889784, BE262854, BF968028, AI085160, BF306020, BE298752, AI306461, AI088751, BE498767, BG256384.

The first (unnumbered) block at top reads:

AW293706, N85153, BE349156, AA662001, AA211886, BE701834, AA026910, F04653, AA346596, AW130548, AW513847, AI381356, AA136081, AA400369, AW241142, W94470, AI687543, AU151954, BE839215, N26560, AW139523, F03997, BF446921, AI963566, AA057689, AA918953, AW129785, N30568, AA314004, AA916062, AW157342, BE048407, AW971417, AA580027, BE048673, AA506336, U46910, BE855537, AI761970, AA229375, W94354, D57413, AI363276, M30471, M29872, Y15406, M84147, U48971, AP002028, M81118, AP002026, M81116, M81114, M81117, U48966, U48970, M81113, M81115, M81112, U10902, U48967, H59480, N35676, and AA471239.

HDPAT52	518	1015574	1-1374	15-1388	AI312664, AA287730, AW102645, AI041755, BE261732, AW410045, AW630571, BF965638, BG255071, AI80186 3, AI421137, BE560045, AA132323, AA480614, AA825414, AI051151, AI351529, AA283263, AA843750, BG026483, BF219889, BF670074, BF968421, AA540115, AI096954, AW838183, AI031590, AA683349, BR096228, AI289133, AA729692, AA627344, AW245445, AA592337, AW272429, W72288, AW572829, AW897597, AA574124, AA974450, W16765, BG180865, AI183669, AA160192, W74620, AA847462, AW959188, AA579951, AI932276, BG121129, AW750280, N34405, AA668933, AA010071, AW404002, AI374096, BF184915, AA046949, AA035111, AW069308, AA305742, AI342755, BF856210, AI678814, N67235, AA013331, BG235973, W76314, BE710988, BF317135, AW401438, H88010, BF809873, W44942, AA522627, BF962339, AW516671, AV692117, AA223769, AA204898, AW838288, AI810356, BE711034, AV694329, AV708783, AI63090, BE710987, BF096170, R78209, BF897243 5, AI004705, AW801629, AV63572, AA046935, BF096106, AA971745, BF798424, BF792399, AV684471, AW838490, F2113, AA469279, AW966743, BF868617, BE547254, AW08877 2, AV250664, AA285116, AA160191, BF899148, BG004544, BF855804, D9165, BG104857, AW675597, BE814856, AU077201, AA89778 7, BE711007, BE940063, BE710964, AI628944, BE711003, AV693334, AA651955, AW404943, AW838289, AW402084, AA828387, AV695282, BE814846, AF039575, D5672, AF09341 4, D55674, M94630, AB046617, D55673, AB046615, U11274, D55671, I24432, U02019, AF026125, R30820, R30889, X47891, K35382, K69888, H11069, H49549, H70903, H70985, H85798, BE233, H89244, H89245, H70903, H89245, N48638, AA011054, AA013237, AA018680, AA035110, AA074249, AA081677, AA102724, AA143684, AA173703, AA213813, AA213892, AA214580, AA256832, AA287890, AA502474, AA500793, AA583315, AA764947, AA836435, AV861968, AA887151, AA902983, AA974033, AI079734, AI083649, N87676, N89279, AA090932, AA092934, AA094588, AA284959, AA398152, AA399572, AA454880, AA770030, AA853259, T20305, T19201, AI282456, AI28443, AI383851, AI419204, AI468190, AI219002, AI609134, AI950510, AW138961, and AW357592.
HAOSL81	519	1015620	1-2007	15-2021	AI046886, BE279307, BE019568, BE391135, AA464125, BG177319, BE384305, BE390284, AW501171, BE889171, BE273776, AW499614, AW500833, BF346622, BE410770, AI871317, AA676873, AI434698, AV703394, BF922390, AA807225, AA721751, AI536605, AA760945, BE163519, AW976065, AI913150, AW747905, BF994170, T90581, BF755836, BF904131, BF084780, BE389227, BG108346, BF828643, A152296, BG009400, BE778885, D6119 9, AI378039, BE075569, BF308243, AF05619 1, AC007050, AC004033, U80745, AI031670, AC005500, AR009990, and AF223678. ALS21031, AI519782, AI53777 1, AI53298 2, BF508854, AI51974 3, AW957179, BF969852, BE795625, AL526699, BF340693, BF927891, BF28333, BG003672, BG02984, BG104854, BE883832, BE260201, AL521050, BE778826, BE313919, BF115935, BE260258, BE313721,

HMWIU46	520	10158 4	1 - 1569	15 - 1583	BE542727, AI929355, AW060479, AI041102, AL526668, BE537966, BF154562, BF527209, AW292804, AI765639, BF568475, AA436850, AI951843, AA210727, BF933780, AI671560, R87201, AW026515, BF529551, AA476863, AA427711, AI199579, AA139114, AW953817, AW957086, AA379709, AA479550, AA351269, AA427711, AI199579, AI122658, AA210857, H88131, R84529, AA427553, AI867453, AA442608, H88130, 243097, K88248, T33365, AI675398, R85183, AI146301, R84486, BF445720, AA351822, AA339234, T33744, H20040, BF511356, W35169, AA971861, AA917911, AW998329, AA429839, R85922, AI341814, AA740431, AA962631, AI937305, T09494, 239190, AI133075, AA775842, AW601448, BE328809, AI633379, AI095222, DR826502, BF793459, AA369393, BF222046, AW590915, AA714849, AA044257, AA044141, AV751117, AW890006, W20393, C01911, BF887068, BE160604, BE160589, R58225, AI24180C, AI887775, AI340627, AW148478, AI307494, AI310575, AI310582, AI340533, AI312156, AI093458, AI312261, AW020381, BF751298, AI096881, AI349276, AW020693, AI46899, BF126355, AI348854, AI334895, H95782, AI419455, BF154738, AI267185, AW058275, AI439089, AI702527, AI630898, AI340511, AI445836, AI345005, AI097137, AI819663, AV682867, AI345014, AI245332, AV682218, AI613492, W60360, BF965053, AW083111, BE892572, AA824513, AI860865, AA026982, AL034548, AF116644, Z68206, Y10655, AU080126, X70685, X72624, E01314, AK027152, AX046716, AL133644, X61049, AC010157, AX005848, AX005804, AF082334, AR050959, AR068466, AF072933, X55796, X73361, U77351, AK025117, AF016271, Y10776, AK024524, AF113694, AF119899, E12580, I0734, S61953, AF130068, E00617, E00717, E00778, AL049426, X72889, AL080124, AL162008, AL117438, AF116609, AD039669, X55128, U42766, AL079293, AF009943, Y17607, AL080140, AF111845, AL049465, AR060156, AI004832, AK000557, AK027102, AK000653, AR077207, and X15132. AL535079, AL518148, AL521450, AL517132, AL531229, AL535080, AI040012, AL361230, AI762499, AL524071, BE741293, AL517133, BF027114, AL524070, AI279899, AI246620, BF026440, AI951458, BE746830, BF976082, BE874967, BF975129, BG120387, BE742636, AL518149, BF346931, BE798497, BF971335, BG028042, AL531911, AL536547, BE899981, BF30C279, BE394154, BE299905, BE797408, BF237487, BF341190, BE899957, AL531910, AU123377, AI056329, BE886683, BF316766, AW071958, BF794107, BE378387, BF305550, BE304342, BE736150, BG035867, AL521390, BE871118, BE295405, BG252892, BE263295, BF026152, BE900137, BE313624, AL518057, BE866940, BF310604, BE272963, BE741384, BE263729, BG030172, BE269686, BE275888, BF683861, BE263357, BF685513, BE294784, BG036176, AI963529, BE796966, BE746010, BF306510, BE736227, BE891078, AW245424, BB410804, BF686254, AI76C877, BG120454, AL521451, BE295095, BG256264, AW391889, BF304851, BE872207, BE879428, BF689615, BE858376, BF973214, AI097074, BG179080, AA449946, BF312801, AA576427, AI138372, BE304566, AW006324, AW009639.

BE272194, BE646651, AW245783, BE746747, AI91250A, BF882333, BE385840, BE858607,
AI564790, AI333506, AW027052, AI418266, AA279457, BE737425, BG236473, AI004007,
AA305850, AI624801, BE206673, AA847481, BE407894, N38749, AI361019, AI161165,
AW027192, AI680456, BE385336, AI809665, AI911415, AW574789, AI566691, AR235931,
AI826461, AW082825, AA894742, BG113516, BE245957, AW054799, AI094092, BE560644,
AI075059, AA827533, AI590897, AW250514, AI493612, AW581599, AI039019, W51771,
AW001956, AA905589, BE794331, AI339906, BE389853, AW410735, BF340416, AI362165,
AI023116, AA405459, AI682692, AA574029, AW007567, AI421280, AW168727, AI291679,
AI361542, N24764, AW268397, BE747096, BF900462, AI125187, BE541523, AA218938,
AI564687, AW629319, AI423889, AA857676, AI300949, AW403634, BE047331, AW050857,
AW965812, AI308957, AW000132, AI347676, BF432538, BE299524, AI343623, AW103714,
BE278236, AI498129, AI858821, AI93947, AI273436, AI913835, AW188230, BF530322,
AW390130, AW469492, AA660586, AI79938, AI480255, AI003559, BE731327, AA909993,
BE872657, BE747945, AI279041, AA431687, BE312764, AI518058, AA826445, BG179147,
AW960226, AA135401, AW368361, AW662816, AI944889, N31601, AI214115, WI6430,
AW188122, AA909995, BF690520, BF882690, BF972256, BE736482, BE779346, AA907423,
AW19051, N29588, AI280247, AI393637, AW363646, AA450198, AA705606, AI922222,
AI400777, R56411, AA713851, AI937426, AI138296, AW005079A, AA550809, AI653786,
BE314643, BE858640, AW368349, L38696, AF148457, AI031668, S72641, L17076,
ALO34549, ALO50146, AF116644, X63574, AK026534, ACO06994, U91329, AD48975,
AL137292, E0348, AL049464, X62580, AK024538, U80742, AF116646, X84990, X80340,
AF111112, X87582, AV11987I, S79832, AK025651, AI30104, AK022601, ALO80158,
AO8916, AF177401, AF022363, A1297, AF081195, I48978, AK026608, AL137429, AO8910,
AF113690, AK025054, A109908, AF132676, AF061836, AK025383, AF217991, AL359620,
AL110222, AL137521, AL122121, AL133606, S78214, AL389939, S68736, AF113689,
AB052191, A45787, AF162270, I89947, AK024588, AF119990, AK025092, AL137538,
AF130077, A08913, AX006092, AF13059, AL117435, AF261883, I89931, AK025391,
ABO50534, S61953, AF078844, AL133104, AR087170, M30514, AK025798, A07647, AK025708,
E00617, E0071I, E0077R, AL050277, AR038854, AL16206Z, AK026086, AF21893I,
AK026597, AR013797, A18777, L30117, AB050033, AF155221, AF116649, AF113691,
AL137547, AL137705, AR083266, AL11022I, I66342, AL137294, X81464, AR271350,
AB019565, AL16200Z, AK000652, AB033881, AL122050, AF087943, AF130100, AF111185I,
AK026885, AF113013, AK025484, AF081197, I09360, AK000432, AK025958, AB048974,
AF111849, AF130075, AL133568, AL137300, AI049892, A93016, AL137526, AF067728,
AX042059, E05822, U00763, ALO49382, AK026045, AL078630, AF177336, AL122111,
AK026592, AK026784, AL122098, AL359618, AX020124, AL080127, AB044547, AF130099,

HSXCQ19	521	101599 4	1 - 1822	15 - 1836	AL117457, U42766, AF100432, AR038969, AF100931, AL389978, AK026480, AL049430, AL133081, AC004943, AK026542, AF130087, AL133016, AL080137, A08912, AJ012755, AK026865, AL122049, AF218014, AK000137, AL353957, AL353583, AF113222, AL157479, AK025573, E03349, AF125949, AL110225, AF231617, AL137488, U78525, AK025465, AF116639, AL137476, AX019230, AB034701, X72889, H48979, AR011880, AL080060, L13397, AL133093, A08908, AF188698, AR059958, AL117585, U87620, AF030513, X93495, A03736, X98834, AL137556, AF028823, Y11587, AB047887, AF225424, AL133098, AB051158, AL133075, AF260566, AL137533, AL050108, AF242525, AL117649, AL133565, AF155148, AX026824, AX026823, A58524, A58523, AX010492, AF091084, AF003737, AK026626, AK026464, AK026533, AK026057, AB041801, AR070212, AK025414, AF130092, AF219137, U96683, AK025254, AK025772, AL117440, T49260, T49261, H46063, H52643, H99712, N28329, N48385, N57763, N99918, W39222, W6015, AA031068, AA076416, AA076509, AA085551, AA099809, AA155660, AA158592, AA160033, AA160914, AA186593, AA513118, AA514814, AA596070, AA715511, AA742657, AA748472, AA807900, AA811833, AA815170, AA827223, AA835998, AA885763, AA902188, AA903824, AA911037, AA931789, AA946610, AA946718, AA973536, AU079725, A1089852, A292970, AA400826, F20585, F20616, AA450128, AA496450, AA496511, AA496516, AA496627, AA634978, AA635194, AA431481, AA678748, AA733029, AA904404, AA916484, A1038243, T19248, F00340, F01280, A1249333, A1261534, A1265787, A1371423, A144974, A1455209, A1497735, A1490921, A1424213, A1221076, A1243809, A1279636, A1300239, A1538537, A1619735, A1766594, A1702432, A1868068, A1886075, and AW11994. W18188, BF725419, AIf47442, A1125755, AH79624, BF971330, AI760369, AW629416, A1569944, A1936750, AI199740, A1983107, AI440301, AW053303, W60994, AW129523, A1709247, AW168252, AW081397, AA932741, P22819, AW339714, A1051565, A1916699, A1366137, AA010077, BF309912, BF305908, BE298194, BE299230, AA609646, A1521565, BG056312, AA632342, BE222356, A1689599, BG259047, AA411110, A1431516, AA489231, R13519, A1885069, N95625, AW503732, AA878702, BF510349, AW591734, BE146333, AA400446, BF476112, AA868098, R20641, A1797356, AI971324, BE146245, AI81023, BE729192, A1468652, W94707, Z25127, A1492286, AA954572, AW665137, A1857711, AA235851, B856112, R73152, AW002465, BF003059, AW472891, AI439020, AW964023, BF437333, A1202466, AA040572, A1453394, H02677, AA809174, A522449, H16169, BF525445, AA377384, H13164, AW029380, BF475393, AA911598, A1011508, A1501925, A1903140, A1823448, A1270235, H04518, Z28801, AA613532, AW771867, I03230, AW953787, AA165368, AL045450, AW241567, H04024, AI917425, AI136145, A1354034, N88059, N66226, BF886040, AA419377, H50420, AW237069, AW316806, C01430, A1903143, AB002304, AK025939, AC006486, AC004916, AC004987, AC109718, AC010507, AL133216, AL137028, AC004842, AC006328, AC012005, AL035696, and AF270605.

HNOAG06	522	101627 2	15 - 799 1 - 785	BE673717, AI422890, AI631020, AI198891, AI799682, AI433529, BF880961, AI364953, AI198886, AA252264, BI672603, AW956072, AI183458, BE046873, AW150260, AA427927, AI694734, BG058776, BE467480, AA402470, AI633199, AA632367, AA806093, AA205409, AA196509, BE205834, BE205847, AW304915, AA169805, AW370018, AI823301, AA513696, AA722552, AA722543, BE349312, AI887233, AI811053, AI564771, AI360008, AA099151, AA524882, AA702007, AW196886, AU150441, AA524781, AA679745, AW273758, AA483959, AA678402, BF476223, AI824716, BG150152, AW205888, AA192447, R69106, AA181543, AI866935, AA860623, AI129193, BF063495, AW805414, AI879840, BF941974, T94794, AA171643, R69101, T05573, AI015756, AA724238, AI725255, AI984809, R69224, AA312143, AA992923, AI936603, T65801, AW794565, AW304419, R69216, ALI18882, AA902788, AA223492, AI983773, AA610089, AW090785, AW60823, AI243278, AA678411, AI720402, AW204601, AW581210, AA335789, BF874179, AI824267, AA723216, AA806903, AW207077, BF877796, AI611264, AA440445, N67898, BE207384, BE148913, BF590649, AI192276, AW205765, AW800019, BF110206, BF877800, BF772362, BE173668, BF740070, AA099249, BE936956, BF871257, AW381337, C01296, BF831318, AW799997, AA579327, AA814839, AW368017, T65920, AA026347, AA026572, AI590020, AI682707, AI185665, AW264186, AF016370, AF001947, and I80064.
HE2KN09	523	101635 1	15 - 1354 1 - 1340	BE799462, BE792498, BI743096, BE797705, BE887174, BF307766, BE260259, BE621561, AW409694, AW973501, BE269774, BF972124, BE296846, BE296277, AW163484, AW157422, AA542968, BF805191, AW409789, BE792849, AW149826, AW439315, AI435067, AW082947, AI982972, AA855083, AW027529, AI081884, AW083431, AI004310, BE262282, AI748899, BE048047, AI188316, AI355876, AI517429, AI302238, BF194752, AI275061, AI459896, AA961666, AI418038, AI139136, AI079833, AI278587, AA865815, AA865641, AA488886, BF772502, AW192032, BF893782, AA708607, AI42039, AV656377, AI936078, AI863272, AA662188, BF893776, BF675574, AI826981, AA662145, AA704357, AW953954, BF926934, BF900915, BF772435, AI140216, BE298115, BF771180, AI987295, AI202396, AI199200, BF900921, AA085191, AI199350, AI220804, AI122546, AI220749, AI803886, AW954783, AA365050, BF900923, AA648815, T30457, AA642369, BF058583, AA352082, BF893785, AA255581, AI813408, AA935152, T17207, BF21387T, F35404, Z39091, BF771380, AA855886, AA262788, BF893778, AW615702, AA476571, BF893786, BF973807, AA44889, BF893779, AI570692, AA916287, and AF095446.
HISDH58	524	101674 0	15 - 1680 1 - 1666	BF439940, AI857437, AI278048, AI857436, AA50705, AW273440, BF527162, AA493364, AW297803, AI292326, R47896, AI364487, N66632, AI394536, N58844, BH147471, AI361304, AW594191, AI347485, AA357233, N80760, AI374919, AA357422, I08044, R47895, AW180621, BF83916, AW439143, AA87910, AI591191, AI279880, AI280275, AW594635, W65494, AI797532, H07938, BE048179, W65483, AI123607, BF955980, BE149297, AA347486, AK024697, and AF060570.

2060

| HSPSB62 | 525 | 10168 | 1-1109 | 15-1123 | BE903493, BE790986, BF972729, BE903481, BF796212, BE734346, BF686027, BF529979, BE713977, BF746460, BE281242, AI924629, BG106553, BG255007, AI924639, AI685110, BE394312, BF034344, BI562710, BF525520, BE901753, BE275785, BE314225, BE386480, BF205447, BI619685, BF312856, BG113426, BE278333, BE278526, BF342289, BE263593, BG166974, AW575325, BF529729, BE744615, BE262062, BI619023, BE280343, AW574624, AI833174, BE267214, AW249329, BE787893, BE390971, BE267844, AW874394, BE742989, BF086971, AW516897, AW964827, AA779796, AA569362, BE387748, BE396796, AA758877, AV726655, BE264147, AV727915, AV727894, AA605226, AA588142, BE385548, AW160969, BE396505, AA580165, AA180504, AI075867, BF436700, AW950015, AA716648, AA393358, W8868?, BF72502?, AI368776, AI143090, N72541, BF819554, AW162573, AW372482, AI082608, AI493486, AW168325, AI340275, N93776, AA570369, AI292149, AI375594, BE963869, BE560342, AI336004, AA307360, AW175783, AA666078, AA911246, AA745607, AI951021, N28464, AA831571, AV708154, AA053390, AA179787, AA365866, AW804234, AI196030, AI972897, AA043339, AA398690, BE783931, AW162195, AI183810, AA72462?, BE151917, AA770601, AI003227, AI034021, AI763026, W31956, AA315895, W32910, AI439617, AI249506, AA688157, AA604480, AI422033, AA757048, AA484517, AW406608, AA484020, H23207, F33635, AI690652, AA341287, AA659753, AI983503, W31143, AI312738, AA749392, AI268449, R07055, AA652303, AI193712, BG015170, AI399539, H75595, AA339792, H44538, AW058024, W35286, AI066785, AW404127, AI766503, BF374060, AV750480, AW607133, AA730473, AI034218, AA705954, AI262726, AI471228, AA33644?, AI480331, AA806896, AA053049, AA374345, AA322259, AI610543, AA618366, AA044338, AI864549, AV737527, H05790, AA325970, AA397799, AA337724, AA360803, H30155, AA058600, AA758956, BF845283, AW859422, AA596040, AW859420, AW859450, AW859423, AA337714, BF829817, AA936544, AW859443, R47299, AW882343, AW779771, AA053306, AW859451, AW859419, H23319, AA604181, AI066504, AA720953, BF000501, AA360995, AW367709, BE159568, BE073945, AI669555, BF812509, BG006095, BE278239, AW663332, BF757328, AW827228, AI924686, AV702804, AV709517, AW00599, AW020592, BF911528, AV660662, AI951222, AV703695, AV70691?, BG028055, AW403717, AW151714, AI161743, BF213351, BG105800, AW843652, BG105110, AV704345, AW583836, AV703372, AW955222, AV647118, AV654624, AW955606, AV652443, AV702994, AI620517, AV727776, AI185535, AW950035, AV698087, AB016533, AI242829, AI005893, AB041835, AB041834, AB041833, AF207550, AB042425, AB041832, AX013134, AI250406, AB041836, AB038698, AK024622, AK000636, L31396, L31397, AI218031, AK027182, AI254119, AI389955, A08910, X92070, I48978, s68736, AK027104, AI107847, U67813, AR059958, Y14314, E02152, AI137463, AI91160, AF030513, AL137550, A08911, AI08909, AF061573, AI900145, AF009906, AK026593, AI8777, AI08908, AL137256, U36585, AI157878, AC006197, Y16258, Y16257, I02756, Y16256, A08913, |

HE2FR37	526	1016939	1-723	15-737	S77771, AF267849, AK026518, AL050280, A08912, AL162002, AL359600, AF162782, AF218023, AF113676, AK000598, A08907, AL133067, AL080127, S76508, I22272, E03348, AF119899, AK025967, AL049460, E03349, AK026047, A52563, AF008439, AF177767, AF012536, AF114170, AL122049, S36676, L40363, AK025958, AL162062, AK026627, AL137712, I89947, AL137300, I89931, AF116610, AF119894, AK026991, AB047897, AL133081, AL133557, AF058921, AL389951, E15569, AR087170, AK026533, AB080154, AB049629, AF116650, AK000753, AL038854, Y08769, X99257, AB049880, AL359601, U00686, AF040751, AL137705, I89934, AC003032, AC004987, AK000652, AF065135, AC010137, X70685, AK025541, AF017152, AF219137, I05032, U96683, AF119856, AL122045, AL137539, U75370, I48979, AK026651, AF230496, AL356278, AL133099, AL137429, AC025765, L13297, AL137286, X79812, AF159141, AF215669, U95739, AF089818, AF115392, AK025209, AF130092, AF159615, AF116649, AK026924, AL133014, U78525, AL137527, AF115410, AC004200, AF205861, AK025383, AL137356, AL133014, AF119871, E02349, AF114818, AK024545, AB047869, U77594, AC012502, AL161628, A57389, AB044390, AK025573, A03736, AC010128, AF116631, AJ005690, I41145, AC007383, AK026504, AL049382, AF056191, AL122111, AF202636, AF125949, AL137547, A08916, X72387, AC006953, AK025375, AF155148, AF100931, AL389978, AF036941, U92068, AB047887, AL137640, AB041801, AF067420, AL117626, AB049900, AF281803, AR038969, AK025435, AK026630, AL122098, AB048995, AX045159, AK000344, AF188698, AB049758, AF119843, I66342, AL137660, AF261883, AL133113, AL137294, X35387, AK000690, AC002382, AL353745, X63410, AK026592, AC007375, Z30970, AF017437, L19437, X56039, I09360, AL162003, L30117, AB050421, AK026797, AL389957, AK027217, AF116646, AF151109, E15582, AL133077, U49434, AL049452, AL445220, U72621, AX040389, I68732, A93016, I89944, AC020956, AK024538, AJ001838, X66862, AB048910, AJ094409, and AI022009.
HBJHU33	527	1017051	1-1625	15-1639	BF949789, AA488860, AA319438, BF679533, AW118663, BG251769, AI911406, AU157678, AW502897, AC005495, AK024359, AB020629, AC005922, and AF119885. AL514228, BE731218, AL529655, AL529654, BE797337, AL514227, BE794724, BG110127, BF966631, BE893282, BF742915, BE890123, AW953655, AL528742, AI133581, BE619851, BE881083, AV705155, BE545070, BE908044, BE280723, BF866981, BE905326, BE315420, BG250751, AW361850, BG033740, AW408348, BF966374, AI133679, BE536852, BF694020, BG107184, BG123009, AV646950, AW863803, AW574744, BE536691, BE535711, AW361878, AA205799, BF003183, BF855740, AV752620, AW361703, BE619538, AW235125, BE779606, AV653849, AI953870, AV650365, N51687, AI679909, AI683840, AI860985, AW635673, BF732945, AW361713, AW149707, AI690828, AI613283, AI458820, BF947707, AW293561, BF674450, AA486511, AU154842, AI954922, AI313137, BF986327, AI673750, AI679402, AA424014, AV718741, AA725579, AA099053, BE395738, BE222658.

HCOQ288	528	1017227	1 - 2468	15 - 2482	BF528706, BF511685, AW000934, BG105519, BG25408I, AW960390, BF525928, AW007097, AW188653, AA621896, AU158667, AI308853, BF691095, BE907379, BG023998, AA024539, AW629142, H92979, W68163, AW18237, BE501512, AI832718, AI823734, AI770031, BF215995, AA44738, AI096535, AI745277, AA863106, AI281067, AA584416, AU154308, BF086852, AA308212, AI359520, BF059115, W38383, AI139547, BG031495, AW956354, AA761360, AI751095, W73695, BE927188, AI918091, AI419956, AI799464, AW665559, W95446, AI309249, AA583148, AA428071, AA021101, BF083221, AI026784, AI539181, AI039026, AI378040, BE710102, AW072311, AA676645, BE464465, AA593067, AA039665, W79256, W73924, AI079839, AW269759, AI805856, AA922123, AI473815, AI291953, AI829735, AI056216, AW272430, W94907, AI206193, N59411, AA025309, AA427955, W31744, AA927514, H68449, AA705665, AI932529, W95397, AA833519, BF763329, AI911828, AI217371, AI276807, H68769, BF241187, AI699445, W26803, AI471303, H94817, AI679026, AW08135, AA431304, W26691, BI927265, AU152091, AI453671, W8572, AA448495, W04520, BF63314, N46969, BF940469, W60394, AI420105, H74186, AA913911, AA913681, AI799093, N34049, AA133712, BF774604, H94831,

W24128, AA142864, BE889291, Z36957, AW026668, BF103657, AA866169, AA314427, AW293557, AI216241, AW663736, BG054943, BF095961, AA485906, AA505738, AA136784, AA446868, AI055812, BG032683, AA542846, AA037428, AI887206, AW084907, AA933852, BF095880, H49206, AA043415, AA845713, BE927451, H39832, AA037532, AI335198, AA594615, BE887238, AI680166, BE895599, W31664, AA475897, AA443821, AW340363, AA278776, AI365655, AI923981, AA622493, N34828, AA425430, AA421069, AA883098, AI476741, AA028909, AV653144, AA370723, BG027100, AW075588, AA923558, BG176640, AA954465, AI828409, AA586973, H03187, AA446982, AI309555, T40967, AI26929, BE773992, AI285135, AA439919, AI304714, AV696060, AI565628, BE990423, AV697144, AA772452, AI689153, AW402999, AW512487, AA136668, AW170531, AA857533, H30435, R91467, AA554338, AV239065, AV688783, AI300683, AV685469, AI244508, AI186551, H87047, AW87072, T34519, BF213940, AV683074, R27376, R31690, AW769530, BF094930, AI02458, AA098897, T30817, R27377, R81710, BE277562, D25678, AV684114, AI144129, BE465689, AV683254, R81711, T6902, AA953603, AA431940, AA351447, AI806267, AI140225, BE773982, AI041191, AA902603, AV656877, BE834245, AI538000, H22955, T32568, H87710, T82843, D52941, AA558035, R24537, T34501, AA452178, AA507290, AA506474, AW470621, R56822, N35849, AI265996, AI025992, AI073910, AA425294, BE763210, AA946889, AA693413, AI914460, D79723, AW389486, AI886445, AA360213, AI826456, AI682452, AI370704, N99006, AA888415, D79777, AA029018, BE326907, AA370566, BE385434, CI5445, AI630692, AW24235, T35686, R36403, BE672749, W1588, I31732, AA370567, BF813567, BE387515, AL528741, AA331136, AK001175, R24642, H30386, NT2054, and AI824235.

				BE774603, BE774559, AA476696, H78591, H78598, AI289784, AI204471, AI890785, H47953, AI476652, N55740, BE929223, H94208, H51673, BF002425, BF001766, AW664981, H59116, BE767644, R95824, H52403, H95352, H51087, W63433, AW38637, AV732880, AI380954, H52404, H73365, AW96503, AI354716, AA778391, BE774546, H82994, AI091937, H59156, AO24485, H78664, AW104164, AI910247, AA026543, AA431669, H78652, AA852100, AW088288, H81029, H47648, W67704, H79282, AI684769, F08312, H81125, AW795270, T79999, AA377528, AW517620, H95361, AI637481, AW592319, AI758610, BF56424, AI553912, W57640, H58543, R95775, H7939, F08369, AA906911, AW473773, W93622, R93126, H60950, AI122648, T32422, AI798217, AA026542, H82708, Z41373, F04538, I61524, AI916229, AI37476, W67227, W26761, W60303, AI000783, W93419, AA039664, W7839, W92061, BF847196, M79164, AW362780, BE314476, AI940153, H82444, AA86157, AI690810, AW969244, H17448, AW63857, H83227, BG167595, AI799198, BE932785, BE011848, AA934349, T16936, BE931881, AI79409, W67337, AI290522, W58636, AF054999, AL050384, AF027299, AL10993B, AF044312, AB047635, AJ251209, AI24853, AI24854, N77095, AA025329, and AI347426.	1017374	529	HNTSV21
				AL134400, AA654357, AI659394, AI686014, AW410038, AI093582, AA652206, AW273447, AU146982, AL514659, AI963016, AI042174, AW965846, AW574750, AA654359, AA703770, AL517118, BE542873, AA182023, AI818522, AW072960, AA884895, AI077955, AA209362, AL515439, AW887824, BE539538, AU154982, N52207, AW157715, AA187876, BF000792, AU160449, AI915400, AA854654, AA934990, AA887240, AU159619, T57068, BE295580, AL518518, BF035823, AU158972, AU147868, AA464944, AA651945, AA148257, AA828521, AA190869, AA600031, AI088602, AU146486, AI245918, AA515504, W68695, AI003584, BF848727, BE299486, AU151912, AA932098, W68788, AA810464, AA831254, AA204836, AI073864, BF062816, AA630734, W37334, W72396, AA877763, AI239507, T57701, BF368824, AW519295, N93945, H28712, AI93713, BE617824, AI39316, AI299318, AL538396, AA909936, BG261335, AA80474, BF15439, AA169168, AA622934, W37369, AA876537, H39737, AL516437, W37117, BF764209, AL571155, AA54137I, W65445, BF803857, W65444, H64967, C5187, R42243, AI620320, AW013842, W02224, C17924, W3770, BF764242, AI567004, BG106798, AW182900, BE618766, H66514, T06029, C18528, BF447193, H26685, BE645007, AA148256, BF812783, BF059296, AA70429, BE877546, BF955849, M78962, AA69602, AW581222, BE882709, N94420, AA35790R, W26586, BF913671, F18903, T85737, BE858416, N69743, AV750626, AV736810, C17428, AI701304, BF619606, AI675840, AA46698, R11416, W40044, BF032212, AA557475, D5287, BE378126, AA46987, D58716, AW572367, C18873, F29285, AW673620, AI151194, AW983548, BG057603, BF795208, C01858, BF957266, AI475992, D79148, AA565318, AT20256, AV752041, BE181609, AI299319, AW057940, C18872, BE700845, AI049861, BF941688, AA968944, AA844560, BG105512, AA010945, BE717982, BF958883, AW513179,		1 - 1245	15 - 1259

HNORH33	530	101746 1	1 - 2630	15 - 2644	BF990060, BE730773, AA055570, BF131754, T10864, AV749388, AA297649, AA883690, AI095286, BF966340, AA835437, D49914, X91257, AF297553, and M88136. AU118050, AU124650, AI800495, AL515217, BG254700, BF79291, AU139800, BF221530, BE614349, AU137694, AA345930, AI635319, AI927302, BG036151, BE780429, BF883539, BE783242, AI802380, BE222029, BF670327, BF035253, AW189345, BF690809, BF701218, AW138746, AW571851, AV758758, AW058381, AI89728, BF832574, BF832584, AW057504, AI755119, AA418590, BF9R1254, BI793595, AI984163, AU151135, BE780049, BF114722, AI961692, AA452161, BE779478, AU149020, AA418574, BF103811, AI004693, AU153522, AI351372, AW500112, AW261890, AW410234, AW136841, AI634166, AI631474, AA827216, AU128765, AA452392, BE96637R, AU153938, BE349597, AI671386, AI380332, AI739557, BG248885, ALJ04T192, AI370011, AA094228, AA621081, W39674, AA993180, AI244135, AA447738, AA707268, AI568172, AA44896J, BF812945, W27396, AW139700, AW341254, AU156536, AI610449, AA680213, AV692709, AA074826, BE613637, BF379914, AA926753, AW369696, AA45598I, H41985, AW902483, T65313, AI375902, AD90502, W27884, W44815, AI952816, AW902476, F09884, AA903638, AA112140, AW902481, AW902478, AI515218, AW955309, AW953636, AW902479, BE644837, AI638081, AW770216, AW902461, R24937, AW902455, AW235766, AW006582, AW902734, H66548, BF094361, BF239823, AW902736, AW902737, AW902730, R32606, BF379905, AW902720, AI522293, AW902469, AW902729, AA453670, AI581037, AA215671, F06886, AW902703, F06870, AA354203, F12257, BF379886, AW902732, W23553, CI7550, AA449690, AW467583, AI694910, AAT32285, BG52934, AW902470, BF001525, AA215779, F06869, AI872765, T66073, R52549, D78825, AA188898, AW063992, R45200, CO3668, H66132, BF930789, AV738729, AI829792, N55752, AW902721, BG171769, AU138715, AW015422, AW198067, AA355665, BE929397, AA23264, AI910343, AA618016, AL121142, BE391223, BG12067R, BE720589, BE939651, AI093996, AA358989, BE84185, BE882107, AA306135, BE408532, BF90404, BF376408, BG026722, AI904692, AU4873, AW385823, BF326100, BF085286, BG176691, ALJ36570, AW770803, AV731531, AA639867, BF00181, BF741199, AI982808, BE389430, BF957940, BE388275, N44960, AU193855, AI32637, AF070656, AF090430, AK001259, AL162272, AI295622, AC01051R, AI295621, AP000535, AP000536, AI295618, AI295620, and AI295619.
HUTEF35	531	101756 5	1 - 3361	15 - 3375	AU122622, AU124809, AU119197, AU120605, AU131784, AU130566, AU125444, BE799658, AU139843, AL533184, AI582238, AU154068, AU124323, AU125845, AU125084, AU124685, AU118785, AU124233, AU135742, BE899995, BE899194, AU137120, BE741762, AU138659, AU138317, BE747802, BE747749, BE613292, AU138431, AU139369, AU139849, AU137367, BE796097, BE869682, AW074187, AU133161, BE741675, AA669462, AA886707, BG250343, BE621596, AU134160, AU136435, BG250404, BG170946, AU177879, AU136553, AU139661, AU134907, AU133516, BF343126, AU136570, AU127766, AU128322, AI917911, and AI295619.

BE897222, BG164438, BP965821, BE546537, AW103106, AI355835, AW103377, AU135074,
AU134656, AV648604, AV727279, AW340863, AU129691, BE515032, AU136983,
BF526239, AI479340, AV714068, BE747195, BF964767, BG164900, AU134603, BG120314,
AC135206, AI559161, AW129494, AA902938, AW167281, BE731395, BE890485, BE299370,
BE383017, BG104804, AW246113, AI908429, AW269709, BF339815, AW842638,
AW148988, AU127251, AU138684, AI114813, BE395721, AU130590, AW261980,
AW087962, BE271519, AW468153, BE677629, AW089825, AI923895, AI354339, AI744249,
BF038988, BE395242, AW168120, AI927751, AW469168, AI985223, AW151176, AV655628,
AV682581, AW273772, AA868807, AI814764, BE222673, AV726382, AA573808,
AW842574, BG118979, AL036452, AI811576, BE732006, AI687458, AW268696, BF037505,
AW152335, AW084593, AW029250, AW304937, BE272053, AI635632, AL046634,
AW026080, BF690730, AU127972, BG256795, AI554825, BE395561, BE252165, AI961413,
AI669620, AA577099, BF674709, BF541351, AW997400, AA622627, AU136974, AV728376,
AI670005, BF665230, BF675898, BF677750, AW471129, BF223740, BE868577, AI538283,
BE300740, BE713214, AW150201, AI986121, AW190158, BF031381, BE315324, AW842575,
AV690746, AI908427, AW150248, BE369183, AW471148, AU118964, AI457126, AA810194,
BE880463, AW249579, AW117983, AU150624, BF701381, BF673673, AW270751,
BF035642, AV754303, AA577560, BE383634, BE742842, AA595078, BE328536, AU126679,
AW531854, BE440151, AW247016, AI124949, AW500552, AI680216, AA627799, AA486090,
BE940083, BG036782, BF696563, AW296034, AW842582, AW376460, BE265390,
AW842568, AA188228, AA857352, BF697148, BF679020, AW029202, AU151123,
AU146629, AI559488, AU144586, BE927926, AI982977, AU135131, BE612692, AA425407,
AI701913, AU150681, AU145407, AI632826, BE790649, AW664737, BF107170, AI248268,
AD54479, AI446794, BE938741, AW167333, AI446060, AW380204, BE019689, BF855882,
AI349399, AI590940, BG105451, AU151255, AU152508, AU131491, AI682951, AA581982,
AU149108, AU149901, X15187, AK025459, X76301, Y09136, U01153, J03297, AU081631,
X04850, X90848, AF087988, M77003, D16892, M29652, AK025862, S74942, S69316,
U72620, AF177767, AC010723, U00763, U01145, AK024588, U95739, AK000404, AF307337,
AK000250, X56039, AF119899, D17053, U68387, AK000923, AF219137, AC007390,
AF106862, AK026528, AX019230, AL139383, AX019229, AI238278, I8947, AL117435,
ZK2022, AL078630, AK025414, AI08916, AK026784, AF146568, AI08910, AK02A538, AI08909,
AK025798, AF061573, AL137550, AK025084, AL110225, AF314091, AK027096, I48978,
I03321, AI08913, AF158248, Y16645, S78214, AL050108, U35846, AF116631, AL133560,
AL080124, AF067728, AX042059, AF017437, AK025683, AL137560, AL353957, X72387,
AF130099, AK000432, I89931, AL049452, AC025735, AI087170, AF271350, AF130066,
AL049466, U67958, AL137211, AB048954, L31396, AF056191, L31397, AL122110,
ALD49283, AK026642, AK025339, AB047904, AF242189, AB051158, AL359620, AF130110,

| HJPCG39 | 532 | 101769 4 | 1-716 | 15-730 | AF090900, A08912, AF090901, AL162002, AK026959, AF090903, AL050116, AFI04032, AFI30104, AF078844, ALI21656, AK026086, AF097996, AFI 11851, AK000647, AFI 13082, AJ012755, AFI13694, AFI13019, AFI19894, AK000618, AFI19865, AK026408, T53242, T68598, T71658, T71676, R35455, R59743, R59849, R66482, I02418, IJ29537, H29629, H34632, H42866, I4741, H48991, R91274, R91275, R99859, R99860, H65057, H65058, H71471, H71600, I88800, II89024, II93634, II93635, I97104, H71471, H10401, N58661, N62454, N62473, N79193, W23630, W35220, W38713, W44909, W45470, W51841, W57980, W58121, AA027981, AA056371, AA056391, AA056505, AA058927, AA071404, AA075290, AA075785, AA102698, AA121756, AA134401, AA130709, AA132396, AA134937, AA135065, AA157122, AA157098, AA165148, AA243082, AA464938, AA226708, AA469426, AA471082, AA491783, AA507259, AA525282, AA541325, AA542859, AA563813, AA564057, N21996, AA582283, AA582806, AA59J6l6, AA595292, AA602967, AA605255, AA621999, AA631721, AA565745, AA664947, AA714959, AA730329, AA730547, AA730054, AA746949, AA768758, AA768791, AA804747, AA829123, AA862689, AA886009, AA879155, AA910665, AA93822l, AA938342, AA954930, AA974398, AA977804, AA978234, AA983206, AI053691, AI054071, AI057274, W26935, W28689, W39292, W45167, N86019, N86523, N87833, N88997, AA641308, AA642881, AA643088, AA090857, AA090215, AA091421, AA092163, AA093162, AA093903, AA094636, AA101669, AA132397, AA173182, AA179470, AA181983, AA398033, AA400463, AA400738, AA402954, AA442054, AA446617, AA476661, AA485703, AA485837, AA486152, AA598758, AA634917, AA665980, AA630174, AA707299, AA771820, AA778946, AA882640, T25411, AA026039, AA073691, T10907, T11007, D25940, D25990, T2392l, T24019, T16507, F02372, F06117, AI252802, AI270088, AI273198, AI278679, AII60159, AI283298, AI285774, AI288169, AI289745, AI289804, AI298496, AI307609, AI312203, AI312306, AI312505, AI340572, AI359875, AI367552, AI370435, AI371646, AI379393, AI445020, AI446390, AI434635, AI41778l, AI476692, AI540420, AI540744, AI572742, AI572760, AI573003, AI582554, AI583046, AI141518, AI184440, AI200644, AI538718, AI609456, AI611983, AI621009, AI671051, AI678467, AI687564, AI690374, AI701298, AI799326, AI862249, AI885883, AI886900, AI868110, AI803885, AI921447, AI923639, AI926010, AI950485, AI952630, AI961507, AI968321, AW005848, AW008301, AI983934, AI984482, AW089302, AW104776, AW073614, AW075390, AW130142, AW150916, AW205493, AW270430, AW272034, AW188826, AW189351, AW189593, AW189690, AW195966, AW296777, AW299444, AW302287, AW317072, AW438650, AW439005, and AW440362.

BF568812, AL526088, BF569186, BG027811, AI742518, W63632, AA846266, AI635798, BF435746, AW742228, AI45297l, AI288946, AW189571, AI025026, AI526026, AA446594, AI654457, |

AA441815, AA861549, AW874303, AI934261, BI258024, AA984027, BF034243, AA902348,
AA65208O, BF337771, AI637903, AA649614, AI924702, AI494433, AI498386, II54357,
AI863083, R91708, AA953607, R71975, AI796098, AW07972G, AI675034, BE379553,
AA573726, AA441878, AA861874, AA446723, AW837877, BE573448, AW196503,
AA095494, AW834021, AI916416, AI971559, AL047858, I57826, AA862050, H24226,
AA522843, AW504435, AA574442, AI370650, AA357307, AA586661, BF964699, BE158531,
AA461306, FI7700, AA302817, AV763026, AV763058, AA565232, BE044854, BG236628,
R49986, AA488620, AA078084, F32171, AA321392, F32893, AA629958, AV754716,
AI636734, AA779066, AA528500, AV746104, AA903369, AA603323, BF679672, AV695478,
BF477463, AA385775, FI3749, AI679871, AI798714, BF439644, AA487542, AA577824,
F01666, T80500, AW089204, F33138, Z28363, BF197893, AI284583, BF745921, AA808998,
AA557790, AL119555, F01992, AA59932, AI679294, BF773346, AA812433, AA501614,
AW104788, AA610509, BF965775, AA299671, BF679363, AA843086, AA63067,
AA587991, AA44727, BE154995, AA483719, AA994578, AW068316, R88067, AI471418, AI370470,
AV69593, AI354564, R63154, N59097, AA94578, AI801505, C14692, AA599115,
AA59143, AI323085, BE856502, AA72897B, R79597, AA608751, AA634209, AI865807,
AW511557, AA640617, I32478, AA579188, BB894890, AV699492, HI73970, BF891585,
AW404225, AI271985, BO029224, AU146276, AV763155, F00487, FI8568, AA525331,
AB03011, AA023491, AC008132, AC007981, AP000550, AC012330, Z98752, AC007263,
AC007325, AC005283, Z94801, AC009032, AC009390, AC020923, AC005738, AC009542,
AC005815, AL049696, AC003042, AC007016, AC006453, AC027612, AL133391, AC006372,
AL157938, AC021036, AL138708, AC009086, AC002525, AL138807, Z97985, AC002350,
AL136296, AL137009, 269917, AL031846, U63721, AC004050, AC005690, AL136971,
Z85986, AC002039, U80460, Z80466, AC008474, AC068499, AL132988, AL161670, AC005002,
AC008892, AC006511, AC010326, AL109940, AL117336, AC004975, AB026899, AC003108,
AP000269, AC004596, AL096700, AC005602, AP000516, AC003101, AC021016, Z84469,
AC006950, AC004883, AC004659, AC006277, AC006539, AC003104, AL049780, U07563,
AL57713, AC005206, AC007447, AC005020, AC007404, AC007055, AF207550, AL353748,
AC011510, AC022027, Z95152, AC011895, AL132825, AC006441, AC005098, AC004682,
AL023807, AC011479, AP000103, AC011495, AL080243, AL022320, AC010271, AC007611,
AC011559, AL137000, AC007845, AC005921, AC006270, AC021752, AC005667, AC004166,
AC004983, AC004867, AC009756, AC011514, AP001819, AC016025, AC011450, AP000008,
AL132639, AC011551, AC005512, AL022336, AC005015, AC007739, AC004909, AC005233,
AL050318, AL136137, AC006204, AC005280, AL109959, AP001629, AC011444, AC008795,
AC005004, AP001725, AC004099, AP000555, AC002550, AL161672, AC004185, AC004522,
AF196779, AC008395, AC011540, AC005488, AC009464, AC010789, AP000300, AC009060,

2068

HISBM03	533	101777 2	1 - 1116	15 - 1130	

Column "1 - 1116":

AC006160, AL133174, AC003982, ALO35458, AL121777, AL049795, AL035086, AL031660, AC022407, Z95113, AC004032, AL159977, AL136438, AC005081, AP000152, AL133211, AC004840, AC005808, AL163248, L78833, AC004477, AC009955, AC010553, AC027319, AC006006, AL022302, AC020744, AC004851, AC010618, AC007881, AL109742, AC007637, AC006329, AC017002, AC003029, AC004000, AC005095, AC005038, AC008080, AC010458, AL139824, AC011811, AL049776, AF006501, AC006965, AL139100, AL031296, AL035681, AC005562, Z85987, AC005391, AL031255, AL365505, AJ010598, AL139286, Z99128, AL035072, AC004089, AL162615, AP000500, AC008551, AC004996, AC002543, AL137787, AC009228, AL163279, AC004655, AC007383, AC000134, U91323, AC009516, AC004797, AF196969, AL009181, AC005065, AF196972, AC009362, AC006011, AC007388, AC005546, AL049830, AL137073, AC004891, AC007371, AC005624, AC008476, AC007327, AP000065, AC020934, AC004771, AC003077, AL138976, AC011480, AC005778, and AC010605.

Column "15 - 1130":

AW977256, AA731483, AI189344, AW952288, AA100023, AI201562, AI440476, BG033877, AV75699, AA398602, AI494350, AI554596, AA992085, AI040838, AV715013, AI039508, R51318, AA902973, AW151804, AA724114, AI374683, AI817518, AW149758, AI205965, AI401298, AA975376, AI092209, AI140030, AW007837, BE300974, AW006532, AA973989, BE675441, AA902770, BE300722, BF456809, AI079728, N47956, N90158, AI124081, AI937179, AW005467, AA634579, AA569815, AI203510, AI017703, AI126010, AU144290, AA699818, AU144103, AI032690, AA946587, AA864876, BE206320, AW974185, AW154386, AI279052, AA989074, AA523148, AA581246, W72356, AW194237, AI952698, AA058821, AA071443, AA100717, AI688097, AA661601, AA055522, AI479600, W92081, AA457398, AA149146, I24006, F35570, AI381096, AA070976, T33674, AA658814, AI609294, W32284, AA480290, AL520291, AA024720, F32898, AI271989, AI291249, AI610155, AA588326, AA173526, AA402359, BE891091, W77906, AI302586, AA173951, AI487030, W80854, AI582468, AA677763, AW473700, AW518705, BE221666, AA894616, BE327980, AW67413, F24351, AA453653, BE047223, AW518172, AW167498, AW172869, AW662626, AW675670, BE962279, AA587242, AW317046, AI682825, BE293392, AI453443, T51583, AW770345, AW947400, W37984, AI185379, AA069882, BF857472, AA582510, T56101, AI566359, AA458332, AV725219, AV704412, BE250396, AW947462, AI349572, AW837171, BE293871, AA393241, AA486776, BE835763, BF857461, D57910, AA679368, AA056532, T48195, AW276594, D57886, BE617740, BF690490, F21288, AI381337, T32393, R42019, AA412071, BE769751, T32392, AA586406, BF762750, AI522860, BE828449, AW517660, BE769747, BE769754, AA808159, T34167, BF220196, R42020, BG107653, N78307, W79360, F35581, FI7279, RM129772, AA666210, AA010550, AA173641, AA037719, AW804109, BE962083, AW804071, AI940339, AW887744, AA506858, AL517546, AW837739, BG249485, BE407244, AW887740, W37983, AW947476, AW518401, AW804076, AW887737, AW804075, I90733, BF857464, AA627566, BE004744, AA056406,

				15 - 886	AW327876, T35270, AI889136, AA860198, I25096, AI468986, AI886290, AW590988, AL520292, AI188246, AA495878, AA083560, AI124910, AW167092, AW804068, AI740700, T32605, AW879412, T32361, AA204686, BF747950, BE040439, AW377548, AW887738, BE797850, AA659993, AA170133, BF857463, AW887741, AI861912, AW887743, BE874816, BE908824, AA342072, AA024719, AI623636, AL139327, AX026895, AF092576, AY5030, and AF092575.
			1 - 872		
HOFAA79	534	101780 1		15 - 886	ALS37074, BE733236, ALS37980, BE541794, BH664002, BE734188, BF984226, BE278556, BG168068, AA621878, ALS37073, R48625, BG118498, BF915081, BF917935, T81623, BE929147, BF763432, AA531459, BF341872, BE763399, BF008660, AA279631, AF134404, AX035942, AB041560, AC003025, AH139813, AC004770, and AC004228.
			1 - 872		
HPRAJ96	535	101782 5	1 - 1238	15 - 1252	BE905358, AV704795, AI750172, AW068611, BE275273, AI150541, BG111601, BE907556, AA314655, AA176302, AI673815, AI990201, AA706312, AA910340, W68176, BE874534, AA043554, N36982, AV722422, AA234137, AW631333, AI051300, AW664014, AJ473768, AI523193, AI997203, AW270058, AW949364, BF875208, AW874379, AI077685, AI890060, AA576776, AI735321, AU146371, AI922768, AU145876, BF667951, N44750, AA843430, AA022580, AV753473, AU147275, AA494539, N31677, AI887582, AA772320, W67717, AA009465, BF830648, AI218399, AA928339, AI128162, AA316991, AI075400, AA776984, AT19508, AI087005, C7550, AI520708, AA632372, AA187398, N59428, AA031548, AI912502, AA747520, BE219519, AW275298, AW275308, AI668989, H97855, N46294, AI376800, AA909487, AI040247, W46856, AA009697, BF476649, BF955428, AA194652, N24190, N24359, N2145, AA035181, AA923004, AA630164, N40074, AA765791, AI513707, AA029219, N33370, AU146814, AA482178, BF875210, AA836987, AU146354, N26844, AW801293, W00475, AA410935, AA970966, AA022562, AA035182, AA932392, W19925, AI266391, AV655435, BE439521, BFI10210, AI752294, AW801347, R87786, AW801388, AW801382, AA058722, AA973369, R91664, AI888400, AA453207, AI524359, D54941, AI280430, BE003167, AA953285, AA705642, W19675, AW801535, H97865, H68256, AW022308, AA236216, AI079362, AI826658, AW020707, BF875250, BF875302, BFI12188, AW801198, AA343287, H54770, AW801391, BE828307, AA057277, D58120, AA627764, CI4590, AI025863, R94692, BF092425, AI829247, AW801528, AI524557, N91270, AA194759, N92271, N89998, AI886880, AA320152, H04129, AW974164, AW974165, AA532563, H82377, BG120963, AW801401, AI183I4, AW801387, R94774, AV738589, AA767636, N9227I, N89998, AI886880, BI96532, AA327353, N31704, AI290370, DS2922, AA583232, H60825, AV743184, N33146, BE568925, AA541773, H60846, AV75611, AA701997, T90678, H60932, AV736832, T91238, N33260, I168237, AI205605, I90234, AA376145, AA250755, AA343068, D58117, D58626, AA029218, AA029218, AI54953.

BE242385, AA863455, N31705, H54771, AU146548, H03422, AA921847, AA909143,
R91663, AI306515, W25307, AA314298, BF002944, AI685479, AA307517, BF572129,
AA319005, D54071, AA370169, AW025324, BG253065, AA194758, AA319919, H60911,
BF348731, N63172, AA385123, AI801230, D53421, AA56992 6, BF677241, N80609,
AW803710, AA531369, AA627482, AI272328, N55068, I18271, N92917, W24450, T10836,
ALO31281, L10844, AC006153, U37720, L77505, AB026898, AP000499, U76960, L77506,
AL356299, AC006126, AL121735, M57298, L41558, AB052191, AL049314, AF130059,
AF113694, AF116602, AF119875, AP090900, AL080060, AF130082, I48979, I89947,
AF130105, AL162083, AF130104, AB049892, AF113690, AL359620, AK000083, AX019230,
AL050116, AK024538, Y11254, AF130066, I48978, A08916, AK026741, AK026642,
AF113699, AL442082, A08913, X84990, I89931, AL38982, AK026630, AK000137,
AF116659, AX019229, AF106862, AJ000937, AF146568, X73389, AK025744, AL110196,
Y11587, X82434, AF116644, AF116631, AL359596, AL162006, AL110221, AL050149,
AF104032, AB048954, AL359601, AF116688, AK026045, AR011880, A03736, AF113689,
AL133557, AB049758, AF078844, AL122121, AF113019, AK027096, AF119899, AB048964,
AL050277, AK025339, AK025084, AF090903, AK000323, AB041801, AF091084, AL049452,
A08910, AF113677, AL137459, AL137557, AL133080, S78214, A08909, AF130092,
AF111847, AF125948, AF090896, AK026855, AL049283, AB048953, AK026784, AL117457,
AL050108, AL050393, AF116691, A6541, AL122050, AL133640, AF017152, AK000618,
U42766, AF090934, AF090943, AF119878, AF087943, AK026600, AL117460, AR079032,
AL133016, AL080124, AC007383, AF090901, AF113691, AL162062, AL133075, AF130075,
AF116649, AL122093, AK026865, AL359618, AF111851, AK000212, AK025772, AB019565,
AL133565, AL133606, AF314091, AL049430, AL359944, AJ012755, AL162008, AL122123,
AL390167, AK000391, E07361, AF138861, AK025958, AF113013, AR059958, AF116646,
AK026927, AF130077, AX006092, AL442072, AL110225, AL137750, AF097996, AF118070,
AK026532, AF242189, AF113676, AL096744, AF158248, AF17401, AL157431, AF185576,
E03348, Y11645, AR087170, AF225424, AL137527, X63574, A93016, AX046603, AL050024,
AK000445, AR070212, AK025092, AF207829, L31396, AL050146, AL117394, L31397,
AF118064, AL133093, AL389978, AK026480, AF218014, AL390154, AB047615, AF119909,
A242859, AF116654, AF219137, AF125949, AK000718, S68736, AL080137, AF079765,
AK025414, AL049466, AK026608, AF026816, AK026551, AK026408, AK025391, AL137523,
E07108, AL133568, AK026583, AF119865, AK026634, AB051158, AF111112, AK000652,
A77033, A77035, AK026583, AF119865, AK026634, AB051158, AF111112, AK000652,
AK026959, AK027164, AF116682, AL353625, AK025524, AL133560, AF130110,
AF116676, AL080159, AK025632, AF260566, U80742, AK026533, AK027113, AL121656,
AF130100, AF155221, AL050138, U91329, AK026647, AF119894, T86021, N21533, N70899,
N72194, N92344, W24528, W60034, AA031502, AA903618, AA903625, AA934953, C00191,

HBPFX71	101803 2	536	1 - 658	15 - 672	A1092002, T18485, A1373789, A1681774, A1799846, A1824342, A1962533, and AW263064, BP982289, A1742002, A1868025, A1884683, A1142532, A1363013, AW157737, A1492616, BF111713, AW173153, A1483390, AW249888, A1201314, A1564939, A1697206, A1865712, AW629325, A1589670, D60647, BE673267, D80732, AW183557, H50277, AA707338, AW157850, H50240, D80038, D81318, D80046, AW082405, AA583279, H19532, BT530892, AA644630, and D81488.
HMVDD81	101808 0	537	1 - 1431	15 - 1445	A1188279, BP982051, AW968539, BF112083, BE540598, W07118, A1123076, AA843407, BF574921, A1097335, A1201880, A1742837, A1539345, A1142307, AA570035, A1391562, AV757431, BE669685, BE958108, AA443227, A1367431, A1148021, AA578894, AA811212, AA255682, AA262594, BP475794, A1085416, A1819361, AA493141, AV757735, AV758338, A1148678, A1634525, AA463189, A1244745, A1668949, BF986084, AA527636, A1327805, T61116, BE501362, A1093951, AA465621, N77955, AA45241, T48329, BE183153, BE535556, AW732888, BE567198, A1769272, A1783690, BF131073, A1825568, AV738966, BG031168, AA129447, AW166794, AA282430, BF154836, A1468825, AA770313, T48328, AH474745, AA133846, A1056092, A1540687, N56553, AA096262, T61230, AA095499, AA089548, AW028104, AX048069, AF161477, AL031133, and AK001156.
HVVDH50	101822 6	538	1 - 2331	15 - 2345	AL521726, AL521996, AU123746, AL521995, A1609202, AU117000, BP974185, BF527407, AL048042, A1807456, A1951181, A1218661, A1799636, AU125082, AA454623, BG179365, BP975404, BP972419, BE733203, BP981524, BG179070, BG255004, BE868042, BF333951, BG036217, BG252081, BF339341, BG255011, BG178332, A1676184, BE621953, BG032707, A1635952, BG119610, BP971762, BG169134, BG255093, AW950204, AA907151, BE049474, BE272619, BG256163, A1905222, A1921071, AL138249, A1923213, AW372273, A124348, BF127623, BF836270, BF608110, BE295255, AA563395, BF837991, BF345537, BE390767, AA654451, A1808854, A1337977, BE897041, BF525931, AA433931, BF724176, BG164450, A1025276, BF827230, AA430386, AA868692, A1055856, A1571884, AA434234, BE871447, BE785049, A1628309, A1193144, A1446480, AU122957, AU027512, A1890381, BF818545, A1338177, BE869320, AA203693, AA477057, AA434320, A112808, AW401597, BG059688, AA948036, BE042674, AA772594, AA101156, A311960, BE697381, AU074268, BF205674, AA503629, AA232550, BF339165, AU148816, BF805272, AA063610, BE925432, AW262115, AA476946, BE789123, A1752696, AW074189, BF971608, A1193067, BF769452, AW409987, A910092, BE146092, AA148767, AW938642, AA405733, AV685539, AA218698, AA152261, A139613, A1612782, AA402501, AW104644, AA102669, A1390042, BE870473, AW272879, AW263843, A1609066, BF893081, A1720733, N80732, BF209925, A1752697, F37360, AA586858, K36601, AU143943, BE621441, N99159, AA418836, AW960530, AA515096, N94377, W60430, BE614163, AA150287, BE967097, BG026184, W52952, AW001267, AW402003, H24950, AW874376, N23886, BE697359, AA418981, H18111, AW518137, AA292501, AW080655, AA358993, AA150223, H25769, AA310084, W89085, AA135040.

HNNBT57	539	1018243	15 - 402 1 - 388	BF343912, AW575126, H25811, AA040837, R51010, AA61837l, F27828, N22812, R71744, RA4989, AV659451, AA054721, A1183717, A1581867, A1300057, R48560, A1969226, AA421700, R48656, BF432562, AA223482, BF685441, AA232151, BE245947, AA258697, AA352636, AA405770, T32896, AW083182, R42747, BF903455, BH899369, H46422, R76163, BF902087, A1093495, H85261, BF899008, H28194, RS0117, BF878545, AA962595, AA323924, A1185408, BF899346, R20965, BE910681, H42702, AA382772, AW082441, D31479, H42741, AW182545, H47765, BE410769, AA041769, A1200194, BE383926, BG007398, R51932, BB018146, W87602, BE778365, AA235516, M78843, A1564919, BF881061, AW195316, AA227421, BF928123, R76110, AW627927, AA302074, D29428, R81652, R50118, H48112, I35042, AA359224, AI000210, H28237, H18156, X95735, X94991, U15158, AX017830, Y07711, X99063, A8491б, R26498, R26515, R73717, R81450, H92490, W0529, W87893, AA075891, and AA223688. BE38564, BE39720l, BE270063, BE513540, BE409336, BE047639, AW732993, AW406595, BE397845, AW405264, BE336216, BE396554, BE390079, BE410519, BG024694, BG104428, BF975277, BG106005, BE387960, BE397165, BF664125, BF663307, AW405242, BE398026, AA280941, AL521138, BE793757, BF237876, AW407230, AW604723, AW858525, AW858526, AW392670, U46347, BF873833, AW971745, AL119439, AL119484, AL043003, AW804686, AL119444, AW363220, AW384394, AW861889, AW858455, U46351, BE695785, AW861944, AL119457, AL119319, AW604726, AL119324, U46350, AL119391, BE705903, 299396, BE705906, AW577135, AW372827, AL119497, AL119443, U46349, AL043147, AL134519, AL119363, AL119355, AL119483, AW877209, AL134530, BF868684, AL119522, AL134531, AL037205, AL119401, AL134132, AL134527, AL134528, BF868697, U46346, U46341, BF868687, BE705905, AL119941, AL119335, AW392669, AL119418, AL134533, AL119399, AL119396, AL042544, AL042542, AL134538, U46345, BE705904, AL119496, AW861954, AL042614, AL043019, AL042989, AL042450, AL042984, AL042965, ALD42975, AL043029, AI142134, AL042551, AL119464, ACO15651, AX046339, AX046374, AX046338, AJ279014, AB026436, AJ251839, AX030435, AR054110, AR066494, AR060234, AX046357, A81671, and AR069079.
HCON11	540	1018459	15 - 2023 1 - 2009	ALS22559, ALS22558, AW960064, BG253865, BG030600, BE889708, DG027819, BG118961, AV698953, BF224259, AI638156, AI290803, BF446299, AI419082, AW966671, BE925770, AW966263, Z78358, AA070060, AY662322, A95109B, AI808829, AI401261, AI612769, N22328, AA456113, AW205713, AA455619, AW195832, AW237640, AI275880, BF976106, AA500499, AA180297, AW966854, BF346197, AI569407, AA235048, AI687931, AI927749, AV753340, AA504579, AA215415, AI401397, I93269, AV712384, BE547557, AI862207, AA180296, AW296514, AW638794, BE874202, AW661779, AI679475, AA48458I, AV706547, AA065264, I14058B, N23824, AA065265, AI630385, AV696675, AI240949, HI8331, AW074627, AA354465, AI284362, BF083548, AW237693, I91668, H05112,

Name				Range	Accession numbers
					AI916346, AA338621, AI038773, T05637, H01584, AW383167, BE150899, BF083457, AA354772, BE933046, AA902865, AV714866, AI440452, H05577, AA296018, AI748825, AI260293, AA333384, BF830975, BF994371, AI306730, AA535653, AA360488, AA331533, H18361, BF984044, BF355809, BF830973, AA328182, AV697587, AA693368, AA319405, AI242815, H41116, AA279723, BE933047, BE379067, AI905154, AW999022, AA642772, BE814388, BE267160, BE172053, BE811289, N56330, BE813347, AI432999, AT02787, BE348655, BE172200, BG109264, BF345872, AA385404, BE762408, BF830964, AA215341, AW844104, AW835668, AFI07463, AF083385, and AI109824.
HCQAW68	541	101850 1	1 - 1639		AW964813, AA043579, AW60602, BF196135, AW60692, AA808598, BF996827, AW173026, AA417159, AI089360, AI379044, AA027938, AA479468, AI521274, AV706893, AL524145, BF446349, AA470626, AA847893, BF112090, AA418271, AI950883, W31503, AI741193, AI333775, N49409, AA00947, AA456887, AL524146, BF221648, BF903968, AA505961, AW183055, H63962, AI262232, AA778546, AA478576, AA485985, AI972464, H63689, AW193647, AI468599, AI703182, BE090091, AA255751, AW96928l, AW292700, AA173415, AA173505, R94806, N49499, W94077, AI678423, D30922, BF551916, W94078, AA417796, BE261235, R94723, AW514056, D31568, AW807806, AA478711, AA335529, AI004158, N87822, N47844, H94985, AV689516, AW614654, AK000010, and AC006557.
			15 - 1653		
HVVCY25	542	101877 2	1 - 1399		BG023883, AL516949, BF347806, AL516883, AL518952, AI831226, AI809120, AA328009, AI951751, AI890506, BF784419, AI983622, AI873523, BE536902, AW195804, BF929565, AI758765, BF892881, AW082032, AV722018, AV721642, BE873168, AW673510, AW966492, AI680233, BE622697, AW512963, AW151053, AW575070, AW731624, BE301818, AW770878, BF940658, AW594313, BE042515, AW514330, AW873970, BF892879, AI018196, BG257923, AA504272, AI934931, AA285329, AI754812, AI352152, AA554954, AI858723, BF347861, AA599595, AW305201, AI201775, AA631300, AW088804, AH472788, AW630681, BE465256, BG254495, AW628145, AI370914, AI055877, AA500444, BG150272, AI86009j, AW966486, AA244120, AW051543, AI984410, AI968419, BG009102, AA995868, BF448155, BG231874, AW590016, AW690094, AW341761, AA807620, W60136, AI912098, AI82583j, AA115402, AI69378l, AI66002l, AI962577, AI239601, BF476376, BE61891j, AI935466, AI824532, AI961824, AA158486, AI351095, BG057236, BF852285, AI28059j, BG248352, AA714530, AA504208, W95488, AA182645, AW512106, AA244119, BF593733, AA158982, AA08586j, BG056998, AI768569, BG056799, AI160338, AW151479, AA983670, BG027888, AW170312, AI92731j, BG029078, BF764366, H67061, AA88847j, AA693357, BF107253, AA241692, BF848473, BF765539, N73591, AI968560, H68143, AI969794, BE618231, AI950776, T28559, AW197568, AW196129, AV746683, AW370116, AI950669, AA159041, N90556, AA302337, AA333143, W95526, BE265830, H42567, BE367690, BE247468, F36408, BG698776, BF815729, AI749001, W20202, AA332441, AI749534, R18363, AW589753, H91599, AW374904, BG023829, AA379738, BE243065,
			15 - 1413		

AA332761, BE773989, AW136047, AA335700, BG034571, BF726546, AI184391, AW150701,
BE936584, AA664297, H90669, BF984067, BE876370, AW136560, BE715476, BF885573,
AA935372, F05017, AW805085, BE698778, AA625617, BG055291, BG031668, AI444976,
AW340867, AI675955, BF437822, AW882788, AW170161, AW960828, BF093188,
BF431477, AW838444, AL046867, AA089862, W02532, AW827228, AW663332, BG023914,
BF476754, BF968085, AW162071, BG169383, BF970990, AL121365, BG260037, BG171361,
BF032768, BI910373, BG250115, AW827289, BG113299, AL514473, AV743962, AV735098,
AI347443, BF792961, BG168549, AI557677, AL514691, BF882343, BE048071, BE885241,
BG118199, BG112718, BG109270, BG164371, AL040243, AI439762, AI620639, BG165051,
AW403717, AW071417, AW167410, BE544111, BF526020, BF339322, BG110684,
AV746964, AI500146, AV756560, BF525838, BG249582, X72018, L03532, AF061832,
A27284, AC004020, AK000514, A27262, A27278, A27274, AK024538, I48979, I48978,
I89947, AF113019, AF113694, AF225424, AF111847, AR011880, A08916, A08913,
AB048953, I89931, S68736, AR087170, AF119871, AL117585, AF116644, AK000445,
AF113013, AL122121, AK026542, AP078844, AF113690, AL137550, AF119909, AL162006,
X84990, AK025484, AL117435, AK026504, AK025084, AL049464, AF218014, AB047615,
AK000137, AF111851, AL117583, AF116631, AK024524, AF113677, AL359596, AF130082,
AK026855, AF146568, AL389982, AK025958, AL049466, AF090901, AF104032, A08910,
AF113699, AK000083, AL117460, AX019230, AF116691, AB051158, AF113691, AL049382,
AK026532, AL359618, AK025092, AK027164, AL390167, AK026534, AK000323, AF177401,
AK026647, AL117394, AL162083, AF119899, AK025967, Y11587, AI238278, E07108,
AF125948, AF116376, AB019565, AL049452, AL050277, AL137459, AX019229, AF091084,
AF116688, AF017437, AL137577, A65341, Y11254, AF119878, AK026959, AB048954,
AF130105, AF158248, AL122093, U42766, AB047904, AL049314, AF116602, AK026452,
AL442082, AF314091, AL080060, AL133016, AX006092, AL133080, AB041801, S78214,
Z82022, AL359601, AK000618, AF130104, AL359941, E03348, AF090934, AF113689,
Y16645, AL110196, AK026045, AF177336, AF130059, AF130092, AK025491, AR059958,
AF017152, AL110221, AF090903, AF116649, AK025772, AL442072, AL050393, AF079765,
AF090943, AI242859, AF090900, AF219137, AF242189, AF130009, AL050149, AF125949,
L31396, AL359615, AL080146, AK026592, AF090896, U35846, AL133606, L31397, X63574,
AL122123, AX026824, AX026823, A58524, A58523, A19016, AL389978, E02349, AK026744,
AL133075, AL080124, AL110225, AK026865, X82434, AK027096, AF119875, AF116639,
AL133640, AF207829, AF116646, AL117457, AR079032, AL080137, AK000652, AL133093,
AX046603, AF116682, AK025414, AK026784, AF18393, AK027204, AL133560, AL050116,
AB049758, AL050108, AL137527, AK027113, AL049700, AF118094, AI000937, AK026583,
AK025339, AK026608, AK026741, AL133557, AK025524, AF138861, AL096744, AL353940,
AK000432, AL133565, AK026533, AF130066, AF130066, AB048964, AL050024, AF118070,

HCOMB/B65	543	101880 2	1 - 4027	15 - 4041
			AK026353, AL122050, A08909, AK026947, AKO00212, AF130075, AP260566, AL157431, AL050138, U91329, AF106862, E07361, AL122098, AL137463, AL049938, AL137271, AK02591, A77033, A77035, AK000614, U00763, AB052200, X72889, U80742, A12297, AB052191, AK000614, AFI16654, AL137283, AK026630, and AA113360.	BE740460, AW088016, BE795516, BE741250, BE74296, BG248537, BE562721, BE976367, RG121668, BE311756, BG117818, BG176719, BF971683, BF68587O, BF972808, BG117074, BE908344, BG119376, BE728472, BE888904, BG110785, BE570226, BG034983, BG253593, BF688741, BE879728, BG256796, AA029567, BE875064, BE391274, BG119392, AA402384, BG110373, BG118822, BF984218, BE299113, BE620609, BE875708, BF973782, BE388213, BG252185, BG251566, BF794712, BE620071, BG036296, BE270159, BF689443, BE408003, BG035451, BG121064, BF667036, BF316777, BF81726, BE390204, BF817963, BG120527, BF304650, BF974632, BE54412, BE395825, BE874874, BG120501, BG250953, BF127555, BG027177, BG118824, BF310000, BE392265, BF85119S, BF123351, BG118258, BF816693, BF81692, BF900981, BG035159, BF816704, BF815094, BG25034, BF670194, BG171394, BF816696, BF814061, BG104233, BG117337, BE280315, BF800057, BF851136, AH78770, BG123013, AW577005, BG255720, BF972118, AR88584, BE29833, N30600, BF851126, AW600806, BF132101, BF816623, BF977794, BE019166, AA523209, BE388456, BF734156, AA420536, AI41994S, BE707247, BG119780, AA570479, AW248182, BE562396, AI581646, AW503956, BF436593, AW081108, BF317463, BE903006, AW192280, BF902189, BF808454, BF839762, BE311589, AI826560, AA687948, BG253651, AI806804, BF81699, AI499149, BF906521, BF851138, BF73413S, BG109488, AI13911, AI024498, AW499777, AI582670, BE894236, AA666144, BF055360, AL121003, AI204036, BF815286, AI809282, BE544241, BF734042, AW007015, AA402632, AI672216, AA680006, BG120225, BF823652, BG167604, AU076254, AW080013, AI281296, AW500997, AI911117, AA284501, AW501036, AA287229, AW385694, BF815291, W58673, W58674, AA937214, AI983389, A983405, BG104723, A1571267, AA041529, AW439167, AA362609, W35111, BF851117, BE273713, BF442548, AB27941, AA434519, BG250400, AA233683, BF800353, BE220516, BF514519, BE925572, BF827910, AA666146, AW168196, AI347853, W86679, AW236311, AI285142, BF569251, AW008451, AW069624, AA047713, BE876303, AI982845, BF154854, AW167011, BE327952, AA047680, BG251322, AA658253, AW341858, BF823650, BE876541, BG119413, T57882, H12952, AI924365, BF61208, AI281297, BF304658, BF968848, BE871181, BE728206, AI24191, AI952679, AW12902, BF932483, BF881775, AA62309, BF847955, BF857741, BF154861, BF823638, BE812431, BF819546, AI24004, AW576206, AI910209, AI803834, AW078725, BE81081T, H21978, AI87432, BF23648, BF996328, AA604687, BG035824, AL121451, AW176073, BF806147, AA806169, AI686345, BE812423, AI125922, W44996, AW075755, Z82215, Z82215, AK025393, AK025219, M31013, U87265, U31465, AB022023, M77812, AF139055, X69292, D10667, AR034576, AF020091, AF013570, AR034577, AF001548.

				1 - 1142	15 - 1156
HVVCF30	544	101890 7		I04833, I03614, AR034575, M81105, S67240, S67238, U89401, X95079, M88754, T57964, T69926, T66983, R34219, R34335, R35719, R35828, R49538, R49538, R60961, R61628, R69304, R69305, H01328, H01375, H27166, H42833, H44011, H45734, H84734, H84428, J34670, N41184, N44098, N44606, W23678, W39544, AA026206, AA039905, AA070528, AA070714, AA233571, AA470782, AA506503, AA527129, AA551786, AA557303, AA576376, AA659767, AA732476, AA877420, AA912349, AA976143, W23094, C21324, AA676372, AA716332, AA889840, AA906229, AI076362, AI088420, T23792, D45637, AI244463, AI197861, AI287313, AI359203, AI363951, AI365261, AI346948, AI439449, AI431976, AI569176, AI582363, AI583546, AI124988, AI130989, AI125161, AI623886, AI239875, AI659179, AI537058, AI537132, AI539529, AI539761, AI587093, AI669260, AI686872, AI687829, AI699765, AI799160, AI89664, AI885372, AI869830, AI888843, AI802534, AI919066, AI925405, AI925868, AI936797, AI952788, AI971953, AW004952, AW005380, AW029244, AW117834, AW058273, AW131209, AW150298, AW152567, AW166606, AW167491, AW189884, AW190284, AW192058, AW192310, AW293678, AW303884, AW316817, AW337626, AW440032, AW440074, and AW440867.	BE394234, AV689238, BE546848, BF982266, BE906905, BE908796, BF974572, AA528012, BF339640, AA411318, BG034971, AA767236, BG028345, BF737170, BE855823, AA143464, AA515409, BG250302, AA600797, AU152873, AA772062, AI090126, AA604796, AU144159, N2151, W74659, AA411317, AV693961, AA536058, AA878379, AI079849, AT49900, BE047131, AI339953, AA062872, AA292457, AV500490, AI276224, BE727136, W48761, AW956380, AI289163, AI623791, AI587321, AW080553, AW583437, AI819480, BF698674, BG056385, AI087200, BE463653, AI623973, AI707467, AI636854, H98631, AI678706, N35653, AW957000, BG121278, AV058337, AW051739, AA807150, AA861766, AI354592, AI498939, AV406162, AI340937, AI276694, AI673729, AI932804, BE832569, AA253590, AI494228, AW273030, BF851403, AI052515, AW439757, AA973499, BF093763, AU157735, AV656124, AI886501, AA877994, AV739293, AV738591, AA235592, H53201, BF912861, H59364, AV74191, AA236722, AV692432, H39975, W74553, H53095, N98901, AW025019, AW005726, AA938532, D82290, BE090143, AA657784, BF448743, AA031806, BE829333, BF847668, AI537232, T61625, AI933298, BG011044, AA496508, AA030093, AA639683, N47996, AA303092, AW664554, AA364715, N72046, AV517783, D82542, AA096613, H45803, AA680243, AT32120, BF447399, AI869657, AA747931, R80876, W48760, BE046097, AW583380, T57844, BG032943, AA128601, AI300118, T69380, AA366312, AI933568, BG058664, R70438, AI471261, AW204039, AI282585, R80877, BF965477, T88906, R22460, AI619976, R65889, AW820787, BE071876, BE071877, N69910, R32826, T87603, AW976010, AU046457, R70770, R47939, AA102006, AA279074, AA369475, BF091745, AA357767, R48048, N23357, R69452, AV763309, AA404406, BF840676, AW953071, AA774222, AV764250, BE796439, ALI21235, R70821, AA938105, AA938105, AA600804,

AW276817, AV760685, R46361, AW820795, R47915, R32928, AW009181, BE928420,
BF816072, AV763007, BG222450, AA309841, AA623002, AA119295, BF792326, AV700498,
BE328257, BF677892, AA490183, AV76290, AA577906, BF902597, AV760937, BF902602,
BE928411, N33852, R46457, H60021, AV762050, AA446657, AI284640, BI918590,
AV76354, AV740801, AI568002, AV762139, AA679936, BE047069, AL046409, AA522942,
H28481, AW193265, AA493708, BE350475, AA828042, R48019, AW965008, AI679782,
AF330238, AI613280, AA630925, AI350211, AV699709, AV764241, AW318086, H27304,
AY007154, 297184, AF029750, AC011465, AL035659, AL157838, AL096701, AC002430,
AC007285, AC007384, AL034548, AC020906, AL022328, AL163282, AC007371, AI009179,
AF042090, AC004991, AC007324, AC005775, AP000359, AF196779, AC008616, AL022318,
AC004971, AP001677, AC007051, AL034372, AC022150, AL121601, AL137851, U62317,
AC008079, AL022316, AC007666, AC006538, AF312915, AC008068, AL022323, AC020663,
AC004990, AL136969, AC022137, AP000114, AP000046, AL049777, AC011479, 299716,
AC04848, AC003007, AL049643, 298051, AC005324, AI442167, AL353807, AL163285,
269466, AP001346, AC010723, AL080242, AL355497, AL121712, AL137022, AL035587,
AC020916, AC020934, AL049709, AC055740, AL118520, AF017104, U85195, AP001713,
AC004932, AC005940, AC007272, AP000431, AC007620, AF111169, AC005778, AL163853,
AC011484, AL031311, AB000658, AC016831, L44140, AL139099, AC007684, AL363475,
AP001666, AL136300, AC024584, AC008764, AP001711, AL133545, AC008897, AL161892,
AL158157, Z86061, AC004987, AL163300, Z68284, AC007298, AC006251, AC020893,
AC005911, AC004638, AL035071, AC010072, AL031054, AL158167, AF282903, Z93241,
ALO21453, AC024571, AL031542, AC011453, AC017100, AL121845, AC006329, AC004858,
AL049845, AC004840, AC010789, AP002898, AL121751, AL133284, AC006277, AC007043,
AC022308, AC002429, AC008760, AC005209, AP001717, AJ011930, AP000031, AC008687,
AC005046, AL391839, AL136985, AC007919, AP000043, AP000111, AL133448, AC026753,
AC006480, AC010150, AC007782, AL157760, U95740, AC010102, AC008752, AC023105,
AP000501, AC008770, AC017067, AC007383, AP000264, AL034429, AC000353, AL137787,
AC002565, AC004150, AC004690, AL121655, AL138976, AL163249, AC004408, AP001694,
AC008265, AL022170, AC006006, AL008583, AC002316, AL139289, AC010879, AL121753,
AC005291, AC004755, AC004826, AC005527, AC006285, AC005912, AC010422, AC008812,
AC010522, AP000030, AC010553, AF053356, AC018644, AC005772, AC022517, AC007637,
AC009247, AP001759, AC007225, AF190465, AC008688, AC011527, AL035458, AC018797,
AP001675, AL356354, AC005412, AL096712, AC005914, AC016026, AC002377, AL445264,
AL163248, AC003101, AL136179, AP000101, AL049569, AC006241, AC026888, AP000088,
AC011530, AC008623, 2K2214, AC027319, AL161788, AC000052, U91326, AC012599,
AC016830, AC007308, AL049776, AC005236, AC009060, AC004799, AL157938, AC007686,
AC019227, AC006001, AC007226, AC008482, AL121653, AC007688, AC005755, AC020350,

			1 - 1322	15 - 1336
HODBV21	545	101894 3	AC087084, AL122003, AL031650, U95742, AC018769, AL137800, AC005529, Z82216, AP001726, Z83840, T59418, T59474, T69304, T82398, T87753, T89737, T89835, T84202, H27117, N51203, N59462, N72039, AA55491S, AA595010, AA63011, AA68399, AA815033, U51697, AA283742, AA290846, D19918, T61710, AI340561, AI345438, AI349175, AI475624, AI761176, AI91207, AI936126, AI936180, AW008945, AW071366, and AW150093.	AL527298, BE619820, AI129337, AI400073, I95260, AI700915, BP924322, AW69245, AI962975, BG259287, AI694477, AI378304, H15457, AA838155, AA984755, AA996230, R60228, H65654, AA173556, AA157647, AI637886, R73942, AA599726, AF15090G, H11463, R5078I, R4175, H40319, AA46852, R45631, R38492, R09151, AL527344, AA78602, BF846028, BF735013, BF87101S, BF872092, BE671302, BF833910, BE700118, BF932703, BE083790, AI193056, BF800399, BF871407, BE768340, BF879885, BF846257, BE767620, BF735172, BF744458, BF901172, BF879815, BF093944, BF901176, BF879761, BF084871, BE816989, BE813729, BF990339, BE083901, BF869861, BE816987, AW009660, BF901174, BF734953, BE835951, BF900928, BF879763, BE816846, BF901450, BF901178, BF854789, BF987970, AW878658, BF992580, AW878662, BE167842, BF991459, BF992589, AW610318, AW610312, AW610296, BF943313, BF082459, BF802582, BE835167, BE82856J, BF902012, BF735396, BF961425, BE816849, AI171163, BE926219, BE925447, BF082326, BE083742, BF991442, BE170227, BF739235, BE69127, BF910419, BF991448, BF26070, BF735162, AA778231, BE928009, BF890885, BF872350, BF881126, BF992452, AW664582, AW869695, BE670920, BF961424, BF854717, BF902020, BE693646, BE813904, BE835952, AW806879, AW381871, BE766552, BF991174, AW894560, AW885979, BG059105, BF987977, BF906303, BF735452, BE670540, BF882873, BF735012, BF902190, AW866365, BE075323, BF870413, AA551773, BE084641, BF881962, BF926533, BF918732, BE841188, BF857701, BF873835, BF896718, BE770378, BE082529, BF899679, BE939555, BE825641, BF007428, BF870539, BF821670, BE992588, BE74111I, AI248811, BE835078, BF332061, AI907428, BF879802, BE998898, BF879770, BF961429, BF735089, BF848413, AW360793, BF813376, BF881131, AW360794, BI080872, BF373720, BF857702, AA973283, AW369847, BF817385, BF872081, BE835954, BF879768, AW445566, AI174991, BF081825, BF771727, BF958071, AW945550, BF880810, BE841743, BF878705, BF816766, BF913307, N44337, BF719423, BF990433, AIU42153, AI904717, BE002200, BE940156, AW384408, BE935089, BF983387, BE926453, BF096173, BF845026, BE619501, BF951386, BE954993, BF870677, BE164590, AW858568, BF926355, AW858501, BG116215, BF823326, BF766721, BF957057, BF958360, BF815961, AW970506, BF082331, BF816756, BF923904, AW367657, AW604760, BI180466, BF835974, BF879912, BF674905, AW894887, BF958859, BF998209, AW861939, BE813820, BE816130, AI904206, AW607448, BF081800, BE816993, BE816518, BF839269, BF329111, AW754352, BB011715, AW392799, BF092257, BE952890, BE833370, BE700094,

HCHMD81	546	101926	1-1554	15-1568	AW861913, AK000096, AY007790, AF074968, AC004537, AY007791, AF130094, AX013777, A86999, AF203815, and AB001915. ALS29620, ALS29619, BE744015, BE744537, BE746350, BF205003, BE747118, BE908895, BE780894, BE887588, BG029921, BE793120, BE281010, BE613377, BE887933, BG111499, BF035570, AV753223, BE265037, BF795403, BE612653, BE777993, AA129762, BG054862, BE730582, AI125342, BE547829, BF036049, AW960508, BE745144, AI590699, AI346096, AA583356, BE519905, AI598193, AW009912, BF182210, BF432359, AI480163, AW006668, AA292193, AA418608, BF665501, BG054714, AW954457, AA418543, BE262055, BG031938, AI262702, BE869278, AI39222, BE208201, BF432549, AA633176, AI10112R, AA399038, BF036009, AA13256, BG248132, AW071083, BE537466, BF036189, AI205340, AA488103, AA029080, AA063607, AI359677, BE868999, AI127963, AW304168, AA402472, AA443283, AA121291, AA861789, AA418176, AA935842, AA917902, AI096454, AI024667, BE855515, BB019926, BE871651, AW029371, AA426344, AI79956, AU047195, AI346792, BF744142, AW250319, AA723829, AA082793, BE790822, AW374337, AW473865, AA314304, AI95730, AA84660, AA417925, AW104128, AI185001, AI587323, AI280860, AI418826, BE250752, AI93763, H56715, AA622209, RI5437, AA46813, AA522826, AW15856, AA43799, AW205257, T88899, AI128624, AA552511, AA649767, AA613567, AA405644, BF39409, AA476700, AI240925, W81316, R46575, AA98242, AI925008, AI381644, N91804, BF183446, BE311809, AA87114, AI857773, AA160907, AW166635, BF684951, AA63409, BF033121, BE909517, AA028640, AI335911, AA380929, AA928295, AI41903, AA380930, AW250991, AI880179, AA339665, W31238, AI587468, R34449, AW554454, AA33613, T84437, BF25684, AA886640, BE280279, R34340, AA488061, BF691020, W9219, H56638, AI758540, AA121354, AI566571, AA293824, BE698642, W81315, AA389674, AW882409, BF667507, AI159313, BF889412, AA811684, AA649819, AA659937, AA405492, AA248837, AA583274, BE779123, BE787702, BF888761, W93218, AA159937, AW797027, AK025929, and AF211970.
H.AZAR95	547	101938	1-1438	15-1452	ALS35593, ALS25453, BE729550, BE799612, BE792749, BE792753, BE741908, BE271258, BE570265, BE690401, BF689236, BE797224, BE741382, AL525652, AL533821, BF027373, BE792123, BE727659, BE735258, BF568922, BE728096, BE616789, BE562617, BE794820, BE732845, BE735121, BE027083, BE797510, BE300117, BE741585, BE793408, BE799572, BE378818, BE300256, BE027383, BG105877, BE729032, BE793289, BE795579, BE262442, BF965901, BF975680, BG109788, BE792042, BE277131, BE792391, BE733017, BF976699, BE262774, BE734804, BE734752, BF026490, BE253895, BE729830, BE735012, BE792051, BE901161, BE744853, BF690455, BE792942, BE616834, BE796179, BE735150, BF664529, BF728178, BE732376, BE614830, AI.518947, BE792282, BE792499, BF110738, BE795725, BF973007, AI857766, BE562383, BF686079, BG112735, BE274700, BF663034, BF312079, BP975845, BE744754, BE742292, BF969003, BE560133, AI951578, BE253894, BE735111.

BE796698, BE791606, BE732551, BE742351, BE277124, BE731058, BE741092, BE311974,
BG120149, BE902167, BE792179, BE791775, BE359515, BE562681, BF205924, BE734887,
BE272936, BE797313, BE740428, BG115387, BE791209, BE683945, BE725223, BE238104,
BE277121, BE902683, BE728809, BG024919, BE280430, BE686086, BF796199, BF315969,
BE276049, BG110438, BE901979, BE799284, BF981628, BG119593, BE731893, BE731796,
BG256255, BE299951, BG104338, BE561198, BE790850, BF976739, BE378836, BF976306,
BG164835, BF795123, BF974300, BG036676, BF315013, BE732668, A180568, BF688327,
BG248892, BF684971, BE792038, BF975877, BE793548, BE908966, BE535834, BF689537,
BE727725, BF663054, BF975483, BF972476, BE900584, BF967639, BF316132, BF569402,
BF032811, BG180760, BE732536, BF983451, AW190577, BF128681, BF181174, BE743672,
BF315967, BE409920, BE300049, AW088211, BG166666, BE727825, BF317378, BF97 5355,
BE782707, BG166926, AW088417, BG120181, BR026876, BE409846, BE732831, BE734194,
BF974536, BF310086, BE727964, BG107967, BG109373, BF79757, BF305158, AV713818,
BG115605, BG119360, BF797426, BF314233, BE280441, BE787647, BG029383, BF316688,
BE733965, BF182835, BE728236, BE795224, BF970447, BF975288, BF313954, BF568082,
BE901022, BG249015, BE797405, BF690060, BE909976, BF683289, BF317153, BE260463,
BE729562, AW157175, BF305656, BG114376, BF307680, BG254120, BE254361, BG179820,
BF970847, BE745498, A187993, A181692, BF027185, BG030080, A187970, BF971872,
BF973183, BG180491, BE514771, AW157418, BG260091, BF129141, AL353822, BF182700,
BE257653, BE798897, BE407223, BE382734, BF315565, BE385424, BE901602, BE796458,
BE903385, AI816188, X60036, X05340, M23984, AC004024, X77337, X77338, D16849,
D17261, Z57268, Y11587, AF185576, AL113576, AL110196, U77594, AF116602, I89947, AF139099,
AF104032, AB051158, AL137523, AK024538, AL133072, A08910, A08909, I26207,
AL133568, AB048953, AL389939, AL110280, A08916, AL137283, I48978, AK026583,
AL359601, U35846, AL389978, AK025906, AK026885, AK025084, A08913, U72620,
AX019230, AF017437, Z72491, AK000083, AL050092, AK026972, AK025414, A08912,
AK000718, AF113019, AF116688, I89931, AL050024, U67958, AL137550, AK026784,
AF116654, AL050393, AX019229, AR011880, AR087170, AK026647, AK026408, AK025209,
AB048934, AL353956, U78525, AK027096, AK027193, AF079763, AL117460, A93350,
AL110221, I48979, AL359615, AX010492, AF116631, AL133565, AL137459, AX020124,
AL050149, AK026462, AL050277, AF162270, AB019565, E03348, AK026480, AK000647,
AL049430, AF119865, AB225424, AK025958, AF130105, AK026452, AL353940, A03736,
AL137521, AR038854, AL162083, AF113677, AK024588, AL162008, A65341, AK025532,
AL050092, AK026865, AF116691, AL133067, AL050146, AL050108, AL442082, AL122121,
AF067790, AF119899, AK026526, Y11254, AK026045, U58996, S78214, AF090903, Y14314,
AF262032, AX046842, AF106862, AF155148, X72889, AF100911, AF090943, AF097996,
AF119875, E04233, AL122050, A77033, A77035, AK000432, I33392, AL049382, AF130100,

AK026959, AF177336, AI359596, AL050172, AK026741, AK027213, AK027164, AI238278,
AB052200, AL133016, AFI11847, AFI77401, AL133014, ALI17435, U42766, AX026824,
AX026823, A58524, A58523, AFI19883, AK026528, AX000496, U39656, AK025339,
AB047904, AK026542, L30117, AFI11849, AL133557, AL137463, AFI11112, AF230496,
AFI13694, AF091084, X82434, AL080159, X70685, AL137271, Z82022, AK027146,
AL137538, AF242189, AFI13013, AB049758, AFI58248, AFI46568, AFI16676, AK026534,
AL353625, AL049466, AL137526, AK025391, A90832, AL137560, AF217987, AL162006,
E15569, AK026532, A07647, AL050116, AFI25948, AF260566, AFI75983, ALI17394,
AF090901, AK026855, AL137476, AF130104, AF314091, AF078844, ALI22110, U00763,
AFI18094, AB052191, AL049452, AK026642, AK026592, AR070212, AFI19909, ALI17583,
AL137648, AK026506, AL122098, AK025772, AFI25949, AK025484, AL359620, AI2297,
AK026593, AF026816, I91329, AK024524, AL133104, AFI13690, AK027114, AR083266,
AK026086, AK026744, AL110197, AK027200, AF090900, AF130082, ALI22118, T40239,
T41103, T60782, T61153, T92376, T95403, R16530, R16587, R35433, R46049, R49231,
R49231, R46049, H26122, H26387, H67872, H97079, H67872, H97917, N23194, N29748,
N32359, N32656, N57170, N57652, N64158, N67587, N77509, N80178, W05502, W23838,
W57929, W72584, W76148, AA011087, AA011088, AA070667, AA074878, AA075068,
AA075019, AA076166, AA076478, AA079857, AA082144, AA082235, AA099016,
AA099093, AA100135, AA100179, AA100754, AA113152, AA112353, AA126886,
AA128207, AA126932, AA128546, AA128290, AA130882, AA130937, AA133014,
AA136302, AA136408, AA143052, AA143251, AA143693, AA143682, AA146942,
AA148079, AA149931, AA151001, AA151091, AA155760, AA157290, AA159393,
AA160781, AA165535, AA157204, AA173281, AA179902, AA179903, AA180211,
AA181161, AA181162, AA181673, AA181986, AA187551, AA187841, AA187907,
AA191021, AA191657, AA192202, AA196746, AA196944, AA223166, AA224485,
AA227392, AA242866, AA397377, AA468734, AA514807, AA523669, AA534165,
AA534195, AA565551, AA565552, H67199, AA580846, AA581627, AA588734, AA588752,
AA593857, AA595407, AA595555, AA603965, AA610486, AA614617, AA631563,
AA635960, AA636057, AA576256, AA577470, AA580124, AA580480, AA714208,
AA728790, AA729276, AA729361, AA744895, AA745002, AA746940, AA746948,
AA747346, AA804602, AA810873, AA833970, AA836938, AA838563, AA858405,
AA872330, AA922975, AA946823, AA954185, AA962678, AA978008, AA985594,
AA987717, A004904, AI017374, AA075264, FI9611, A089951, N83301, N86338, AA082282,
AA090616, AA091465, AA078728, AA09298, AA094459, AA205938, AA205937,
AA249310, AA263150, AA393481, AA411623, AA410589, AA435700, D12226, AA486200,
AA486305, AA663502, AA669650, AA629678, AA629857, AA629980, AA703091,

HMWFSS1	548	101940 9	1 - 1320	AA722279, AA843990, AA852914, AA852915, AA773183, AA906067, AI014842, AI023099, AI023649, AI080608, T61061, F04084, AA699509, AA699624, AI263063, AI274695, AI275708, AI281720, AI281843, AI285661, AI288778, AI307743, AI334657, AI350541, AI360034, AI199185, AI207169, AI643791, AI445280, AI471333, AI471441, AI500156, AI540502, AI559635, AI499108, AI499114, AI568879, AI571548, AI572893, AI582453, AI424475, AI224011, AI148627, AI625015, AI186559, AI653750, AI653915, AI218969, AI253425, AI537895, AI587128, AI589240, AI634712, AI587129, AI621311, AI674797, AI686625, AI687143, AI687611, AI687739, AI690877, AI691152, AI696310, AI738837, AI744256, AI744479, AI744999, AI745002, AI784244, AI81922, AI83971, AI873838, AI888207, AI912833, AI805384, AI815138, AI914802, AI917131, AI923496, AI961400, AI963718, AW006686, AW014294, AI95263, AW08791, AW08416, AW07390, AW130189, AW130593, AW151482, AW16794, AW196211, AW235063, AW242507, AW264077, AW190550, AW299527, and AW439116.
			15 - 1334	BP969245, AA173578, AI623909, AI436773, AW152545, BE350964, AI091423, AA156831, C06043, AI685115, AW015909, AI025446, AI376102, AA013471, BE070084, AA505737, AU15085, W95863, BF435796, BE328444, AI382118, BF798369, BG036794, AV737751, AW629458, AI436014, AI092902, BE072466, AI689834, BE069960, AI433780, W79207, AW793537, W94960, N57658, AI797126, AI435957, AW663244, AI435537, AW514619, AU152100, BE070083, AI005221, N44706, AV654242, AA243362, AI810227, AI983423, N35335, AA279720, AI424360, W78164, N58295, BE349934, AA156725, BE070087, AA668749, BE645023, BE045862, AA935586, AA729239, AW628636, AV753447, AW841041, AI219778, AI301267, AW793522, CI5201, BE503068, AI805020, AW973299, AI246381, AI538418, AW020745, AW865648, AW861090, F05818, H08676, AA829728, H08675, AI342957, AA897674, AW865468, CI5226, AW865399, AA828678, AA173537, AA367385, AA366918, AA887279, BE933914, AA887543, AI803050, AA935837, F02064, AA574046, AI648629, T29428, AV725640, AI370502, AI267193, AA846991, AF205588, AL161931, D31763, AL022345, and AF086531.
HE8SD82	549	101958 5	1 - 1284	AU117899, AL52332O, BF345052, BG035675, AU12367, AL535510, AW978848, AL517300, BG122197, BE883414, AV726729, AL517301, AW934905, AW934483, BE885932, BF967608, AW934882, AW934759, AW934769, AW008150, AL534630, BF930215, AA769069, AI83047, BG009563, AW385267, AW195874, AA878781, AW152218, AA195134, AA404255, AI679387, AV716740, BE609880, AW085006, AI376586, AA404705, AW277051, W27623, AI679896, AI199874, AA829504, AV516201, AA976055, BE698896, AW078883, BE609899, AU144597, AW439351, AV739531, AV687632, AA864785, BG011034, AL045947, AI208680, BG036037, BG150227, AW512459, BF773440, AI382426, AW103648, BE773454, AW884384, W26690, AW337631, AI537230, AA031898, H96174, AV755694, AI914723, D82403, AI652037, D81392, AA630979, R75723, CI1785, AI583309, BF210899.
			15 - 1298	

HSPSN08	550	101960 8	1 - 1434	AW129358, AI860063, C15186, AW338036, AI42679, AA331901, T59331, AA256838, AW958908, AW293348, BE608898, AA300849, D78664, BE773460, AA366528, AA031771, BF238624, BF927275, BF237433, BF967457, BF685596, AA317587, AI929470, AA247846, AL520932, AL520931, BF316327, H96175, AA255558, BF314217, AA317418, BE266012, AA247772, BE729504, AA255794, BF933491, BE314000, AA319216, BF090326, BF733217, AA612605, AL526247, AL526209, BE257871, BG036775, AW160832, AI929703, AW953922, BF346478, BE790074, AV727777, AL535511, AV726527, BE889313, AI214048, AA358632, BF967675, AW889517, BF966650, BF038787, BE700443, AA317625, AV702643, C15591, AV702285, AA081744, AV705808, AI291270, AI291126, AA384405, AA384269, AA884236, N32388, AK000959, AU035494, AF237783, AF220189, and AI951137.
			15 - 1448	AL529556, BE275161, AL52256, AL525438, BE270851, BE747850, BE907680, BE274675, BE396347, BE383709, BE791794, BE791216, BE791116, BE898946, BG111754, BE731240, BF311352, BE744294, BF027378, BG116157, BE902855, BG035101, BF311652, BF304518, BE622749, BE901352, BG033417, BE876984, BE887781, BG036524, BE728278, BE740226, BG251499, BE253429, BG031264, BG116121, BE383619, BE889914, BG122835, BG027398, BE277682, BF548276, BE408738, BE386072, BF689457, BE409364, BE276501, BE897011, BE383694, BE314660, BE872566, AI734924, BE272188, BF683923, BE388961, AW965811, BE545074, BE388752, BE560583, BE730119, BE622437, BE384887, BE632871, BF526457, BF982080, BE391754, BE389407, AW955331, BG120252, BG178757, AI131174, BF940949, BE075071, BF983088, AI348348, BE388757, BE296680, BG122702, BE387746, BE388818, BE280930, AI337418, AW003439, AI936833, AA528109, AI660810, BE514006, BE388241, AL528155, BE258075, AI280017, AI951806, AI860268, BG111026, BE514992, BE279373, AI523256, AW172989, AA811385, BE301469, BE264092, W85909, BE875052, BE260132, BF672164, AI092815, AI052411, AI075374, AI004228, AA315427, N34204, AI276884, N35255, AW575874, BE513272, AI076432, W07718, AA041363, W22031, AI034149, AI419051, W47393, AA564743, AW276197, N36107, AA157500, AI306647, AW006347, BF923718, BF700871, AA448228, AW241251, AA552389, I89718, AA035231, H50097, AA59330, AA158075, AI280017, AA911808, AI528156, BF035863, AA30591, N68263, AI299883, H69611, BE514112, AI009896, AA04311, BE775235, BF217224, AA312809, AA806868, AA186623, BE410275, AII26022, AI028645, AW878919, N68972, AI417439, AA469095, AA223714, AV743734, AW379427, AI264538, W78924, AA035295, AA565129, AA448372, BE740045, AA223704, AI285728, AW952388, N26673, AW518624, AW407735, F36877, AI246599, AI283366, AA156885, BE894082, AA993359, AI583549, W65291, AA860587, AV923942, AA325478, AA767502, R51656, T16239, T16233, T08850, AA903877, T09297, AA157194, AI092532, BF206384, AA353896, AW732520, R51565, T09308, N69383, AI583418, R02096, AW769515, N39826, AA337970, BF799057, AI063032, W47423, F17318, W65421, BF980665, T08262, BE733440, BF033895, R35495, T89815,

HVCAH24	551	101974 9	1 - 592	R22001, AA38319G, AA157977, AI832605, AA985287, AA788621, AI948445, AW054668, BE086099, AI418715, AA618499, R22525, AA877478, AA610145, R22526, AA618491, AA141, I34061, I21654, H50132, N80957, BF52847, BF52847, N80596, R02209, R851440, AW769034, BE171199, AW769557, AI674799, R22000, AK025970, AX04807Z, AK000578, AF161491, AC010463, R51063, R51789, H67676, H70457, AA721280, AA761262, AA888163, C01698, AA477965, AA928237, Z28944, AZ68987, AI280749, AI625099, AI826190, and AI804905.
			15 - 606	ALS32297, AV65346, BE782497, AV764595, ALS37232, BF245697, AV714321, AI114567, BF213603, BF244698, AA536147, BE787762, AI830831, AV654419, AW972189, AW072030, BG028414, BE618411, AA318903, AA383707, BG10822S, BG249004, N78477, BF246065, R60406, AA218559, AA904549, BE869225, AA318951, BF575136, AA319119, BF089616, AA371452, AW957400, W25827, AI525195, and AC00394.
HCEBF54	552	101977 7	1 - 862	L44S30, AA322034, T79009, W57762, H19278, T25356, BG250889, AL079457, AW372349, BF770494, R76041, AW846865, BE826118, F07530, AF207550, AB032993, and AI297364.
			15 - 876	
HPQAD21	553	101986 9	1 - 259	AA780355, AI582384, AA037231, AI062919, N52620, AI096763, AI560226, N23609, AA569965, AA069437, AW029605, AI678797, N53358, AW029063, N41010, N93863, AI342701, AI219156, AI49848, AW517179, AW341952, AI186941, AW028880, AI139309, AI150692, AA149803, AW778815, BG056965, AA621741, AI887136, AA480367, AI122849, AA264775, AI301094, AI858940, AW138433, AI475028, N51116, R43155, AI360750, N67604, AI803878, BF448017, BF436018, AI360714, AL036485, AW950411, AU145938, R56869, AI335713, AV709390, AL079879, H88637, R62364, AI358678, AI969128, AI682803, AI431806, AI927440, AI127867, BE045706, AI436746, AI457509, D25622, BE552098, AA969967, AI807004, AI873779, AI766974, AI496680, BE395341, AI092072, R41502, AI922485, BF195730, R62824, BE501550, BF115105, AI887907, BE966826, C21338, AI476678, R62367, AI338819, BF115838, AI701207, AA983931, AA745926, BE220071, BF340377, BF436189, AW150149, AA599581, AA328457, AA031945, AI095709, AI216130, BE379642, BF681640, AI871905, BE88S672, AI695379, BG030823, BF814335, AW855497, AV682005, BG030364, BE881089, BG113188, AV727226, BE876033, BF037971, BF904189, BG180996, BF344705, BE885353, BG179633, BE905749, AI39614, AV682333, BF338723, BF924882, AL514359, BF032768, AI34312, BE826058, BF526020, AI34998, AV269097, BG032208, BG035511, AW149925, BF815196, AI433037, AV738730, BE885048, BF339043, BE887488, BG025770, AW302992, AI343059, AI565125, AI687291, AA974009, AI866510, BF826445, AW834325, BF699668, AI345251, BE783752, BG114104, AI313352, BF527014, AI34962, AI334452, BF910373, BE894455, BF16806, AV075207, AV682715, BE904178, BE172767, BF752353, BE072233, BE894455, BG046846, BE965286, BF036115, AV756150, AV682602, BG058039, BE877769, BG178809, AW838254, AV722478, AV738951, AW301300, BE908967, BF970853, AV755459, BF910810, BF85054, BG107576, BF673434.
			15 - 273	

BE883266, AV682645, AI253109, AW983783, BG112879, BE963035, BF971016, BF970449,
AI620284, BG110517, BE047832, BE783868, BG260327, BG16B185, BG029667, AI349645,
AI345778, AW822276, AI364788, BF816042, BF038131, AI045500, BG063831, RG179993,
BG026428, AI433157, AW238764, AI554821, AW858243, BF924856, BG252929, BE880182,
BF819009, BF812961, BE886728, AI933783, BF816785, BF816811, AI539771, AW827289,
BE893585, BF339322, BE172864, AI866608, BF872670, BF822127, BE874133, AV721491,
BG250190, BE875407, AW673679, AI537677, AW827206, BF047952, AW083804, AI500659,
AI366549, AV735353, BG165051, AI801325, AI500523, BF812438, BG112718, AW403717,
BG113299, AI359554, AI08916, A08913, A08912, A08910, I89947, I48978, A08911, A08909,
AK024538, I89931, AR087170, AB048953, S78214, E07361, AL122110, I48979, A08908,
AF130059, XF2889, AL049938, AL133080, AK026642, AL162062, AL38935, L31396,
L31397, AK026533, AL110196, AF116649, E08263, E08264, AB019565, AC002467, S76508,
AF090934, AK026835, AF130105, AF116602, AL050393, A93016, ALO49466, I03321,
AL133640, AB052191, AL117583, AL117585, AL133750, AB047904, AL359618, AL133113,
AF116682, AI8777, AL122123, AL133560, AL080124, AF130104, ALO50277, AL359941,
AF113019, AL162083, AF116688, X82434, AF119894, AK024588, AK026504, Y16645,
AK027096, AF119899, I09360, A65341, AL050024, AJ000937, AF119878, A77033, A77035,
AF087943, AL049430, I33392, AF113699, AK000137, AL049382, AK025339, AL137271,
E02349, AL359596, AK026744, AK025084, Z82022, AK025414, AK026741, AK026784,
AK000083, AF18393, AK027204, AL162006, AK026630, AL359601, AL110221, AF090903,
AL117457, AL050116, AK025524, AK026927, AK025772, AF130077, AF130082, AF13861,
AL050108, AF177401, AK025484, AL353940, AF090896, AF090901, AF130110, AL117435,
X65873, U35846, AL389982, AF079765, A03736, AF104032, AF116644, U00763, AL117460,
AL050138, AF116639, AK026647, AR038854, AF113691, AL051158, AF078844, AL116691,
AX019230, AF118064, AF119875, AX042059, AX046602, AL389978, Y11587, AF118070,
AF116646, AF090900, AF130075, AR079032, AL442072, AL157431, S68736, AK026592,
AK026629, AK026542, AK027116, AL137463, AL049464, AC006112, AK000618, AK026480,
AL049452, L30117, AL137459, AK026526, AK000647, AK026693, AX026824, AX026823, A58524,
AK000718, AL390167, AK026534, A58523, AK026865, AF314091, AL080060, AK000652,
AK024524, AF113694, AF091084, AF113690, AK027113, E03348, AF130066, AF017437,
AF113689, AF113677, ALO49300, AF118094, AF090943, AK026086, AF097996, AL137557,
AL133093, AF067728, AB048964, AK025967, AK025391, AK026597, Y11254, AK000445,
AK026353, AL122050, AL080159, AB041801, AK000432, AK026583, AF218014, AB047615,
AK025906, AF119865, X70685, AK026045, AX005848, AF11987I, AF225424, AI049314,
AX005804, AF130100, AR070212, AK026959, AF111851, AF177336, AL359583, AF119909,
AK025938, AL137648, AK026047, AB048954, AJ242859, AF130092, AK025092, AF116654,

HPCF71	554	101989 2	1 - 1194	15 - 1208	AK027213, AK025491, AR05995R, AL133753, AL133538, AK027164, AI238278, X84990, AL122098, AL133557, and AK025632. BF688534, BF001945, BF689178, AU134537, BE644945, AA579637, AT708367, BE502779, AA595246, AU115486, BF155051, BF155052, AI340295, AA478803, BF155068, AI561257, AI079807, BF155090, BF155036, BE293353, N62874, AI057571, AI128807, AI306646, AA195325, AI969714, BF155031, BE176744, AI332858, W4479I, W17026, AW1135617, BF155097, R46081, AI803218, BF333190, AV044570, AA464603, BF726171, AV389548, AA412602, AI393724, AV696628, F08878, AA740283, AI925793, AI367510, BF081361, AI081022, BF889355, AI468700, BE645794, AI357702, BE842917, R20580, BF940164, R43623, F11214, R20283, AI247216, AA478923, BF155032, AI400203, BF435288, BF436135, AA337423, BF333206, AA554498, AW001065, AT69488, BF155055, BF446250, AK000556, AK023413, and AL133548.
HVCAE76	555	101994 2	1 - 3030	15 - 3044	BF794486, AI694023, AV730238, AI971193, AV714826, BE766989, AI762047, AI467861, BF035186, AI799534, AI827688, AV699146, BF815957, AV718765, AW089505, AW613185, AL120076, AW029467, AI292243, BG166099, AI860559, AI339164, AW190024, AI288250, AA743179, AA707793, AA926679, AA425650, AW467621, AA972331, AI808567, AW900702, AA565392, AA493651, AV730688, AW992385, AI219963, AA928993, AI446145, N39381, AA281623, AI949746, AW513339, AI79943R, AA910463, AV728440, AA620754, AV724992, AI534452, BE719286, AA022453, BF056400, AA904622, AW938493, AW450736, AW957595, AA810293, AA769161, BF26898, AI803753, AA347511, BF088130, D20085, H09463, AI434672, AV698937, Z43028, AI219929, Z45293, F06225, AA644371, AA120889, AA494347, BF798133, AL043246, N92632, Z30065, AV729526, R19541, BE709510, AW361999, AA814042, AA493785, AW132108, H09113, AA736827, H43746, AA621524, N56636, T32742, AI363767, AW337497, BF088128, AW089941, T16598, AW192227, BF738251, AA120876, Z21395, Z21394, R43709, AW872531, BF088138, Z40998, AI365560, BE719904, BE81458R, T52397, AW298543, H03731, AA953682, R20253, AI693583, T25752, BG032019, BE04807I, AI53977I, AI682106, AV682772, BE047737, AI590227, AW302988, BE018334, BF726234, AI54129, BF726451, AI045266, BG113299, AI560099, BF725868, AV704928, AI440239, AI537677, ALOV45500, AI514899, AW82726, BG257535, AI923509, AL514935, AL040243, AI612913, BF812961, BF960601, AI500706, AI269862, BG036846, AI636445, BF970449, AI284484, AI249257, AI524671, BE876033, AT02406, BG120816, AI872711, AV753074, AL513991, AW104724, AI275115, AI538716, AI433157, AI572787, AV755459, AI564719, BF812438, AI918435, AW087445, AV734318, AI619502, AI433976, AL514357, AI274508, BF95712, BG180034, BE96303S, BF812938, AI620284, BG164371, BF812933, AI610756, BE341801, BG260037, AV711509, AI802542, AV663332, AV758738, BG249582, BG252929, AI499463, BE047812, BF338723, AI934035, AI567612, AL515047, BE047738, AI500659, BF793324, AI500523, AW086113, BG163618, BE874133, AI491776.

HCCMH14	556	102000 7	1 - 2325	15 - 2339	AI445237, AW151138, BF725644, BI90478, AW150578, AI590128, BE885241, AL036361, AL042551, BG110241, AI702433, AL513947, AI696398, BF726001, BG114104, BG031815, AL119863, AL121365, AI289937, AL514627, AI625079, AW827289, AL514691, AI554245, AW082113, BG104782, AB037801, AK024991, AR031998, L40411, AB047888, AF202265, Y11254, I48978, I48978, AF113019, I89947, AL162083, AF017152, AL133080, AF177401, A08916, AK000083, AL133640, AL050149, U42766, Y11587, AK026647, A08913, AF104032, AF119875, AK025084, AL110221, AL133016, AF130104, AL110196, AF116631, I89931, AF116646, AF116688, AL162006, AF090934, AL359618, AK000445, AL390167, AK026744, AK000618, AK026741, AL050116, AF188361, E07361, AL359596, AF116691, AL096744, AF116602, AL133075, AL122093, AL359941, AK027096, AB048953, S78214, AK025339, AK026532, AF130105, AL117460, AL110225, AF090896, AF113677, AF113013, AF119878, AB051158, AK026452, AL050277, AL117459, AF130075, X84990, AF090900, AF119899, AF225424, AF130082, AL122050, AK000137, AR087170, AX019230, AK026045, AK026784, AL359601, AL117457, AF146568, X82434, AF218014, AF119909, AL133560, AL080060, AF090903, AB049758, AB019565, S68736, AF10662, E03348, AF115689, AL133093, AF116644, AR059958, AF116649, AK026865, AL133565, AF113694, AF090943, AB041801, AK026583, AF090901, AK026592, AF130092, AK025092, AK026855, AF125948, AL442082, AF078844, AL122121, AL137550, AL122123, AL38978, AL122098, AK025772, AL049452, AL050393, AX006092, A000937, AL442072, AL353940, AL133606, AF116639, AF118064, AX044603, AL389982, AF113699, AL050146, AF207829, AL049314, AK025958, AB048954, AJ242859, AL117585, AF242189, AL050108, AL137527, AK000652, A93016, AB048964, AF118070, AF113691, AB047615, AF130059, AL133557, AL080124, AF125949, AF113676, AF158248, AL157431, AL080137, AF113690, AL049466, AF214091, AF091084, A65341, AL117394, AL050138, AF017437, AK024538, X63574, AR011880, Y11645, AK026608, E02349, AF111851, AX019229, AF09765, AB047904, AL137557, AK026534, AF219137, AR079032, AK026542, AL359615, AF11847, AK026533, AL137283, AK025391, AL049938, AL049382, AJ238278, AK026959, L31396, AL049464, A08910, AK026504, AK000212, AK027113, L31397, AB052200, AK025491, E07108, AK026086, AF130066, AF116682, U91529, AL117583, AK027164, AK025967, AK026353, Z82022, A1297, AF183393, AF130110, AX026824, AX026823, A58524, A58523, AL049300, AF17336, AF130099, X98834, AK027204, AL162062, AL117435, AB052191, AL137271, I03321, AK000614, AK000323, A77033, A77035, AL122110, AF09796, AL049283, AL049430, AF19871, A08912, U00763, AK026927, AB050510, A08909, AF11112, U35846, AF130077, AK025414, AF260566, AF118094, AK000432, AN60488, and AW30372. BF797207, BE540510, BE293489, BF796238, BF797879, BE250132, BF311879, BE304911, BE293878, BE264951, AW028078, BI676650, BE305180, BG104408, BG118139, BG178095, BF035383, BI681621, BF237831, BE305140, BE293582, BE266684, BG036827, BF237476,

BF093803, AW305006, AI800915, AA205454, AI095596, AL162094, BG177481, AH78953,
AW025176, AA595097, BF357680, AI742613, AI424915, AI073428, AA855089, AA838365,
AI798852, BG231740, AI384036, AW671515, AI161177, AA44252L, AA584277, AA127986,
BF476704, AW957574, AI911472, AA724315, AA725177, AI825921, AW673006, AI624144,
AI086544, AI090391, AA890247, BF357688, BE793358, AA579788, BF822615, AA127951,
BE249902, AW338489, D81224, AA813568, AW469469, BF435241, AI376555, BF822614,
AI032641, AI280023, BF974052, AW167626, AA195109, AA4332, AI147580, BF197918,
AI925801, AI125316, AI033641, AA252216, R83496, AA577082, T95069, T23821,
AA252217, AA809722, AA482059, BF124967, BF373234, AA429183, R48883, AI874407,
AA450259, R35625, AA551617, AI537021, I95951, AA464790, AI220015, AI476509,
R50655, BF435251, AA989734, BF435865, AA464195, R20513, AA481877, R50656,
AH17259, BF871953, D60790, AA989735, R4877B, AI695589, AI986006, AA350484,
BE326565, AI124521, C01728, AA036689, AL079975, H26886, BE618068, I51226,
AW779636, BF826086, T33476, D60257, BF73310, H48109, AI562525, BE163400, H4776Z,
BF757283, BF355044, BE378843, BF757458, BF090403, BE869545, AI869477, AW189415,
BF884247, AL513813, BG029053, AW833924, AI800370, AI473451, AI521476, AW151974,
AI873604, AW961253, AW021373, BF344376, BE877075, AL038575, AA593940,
AW170663, BE620202, AV697498, BE613997, AT00358, AW202093, BE777769, BG235160,
AI491904, BG180034, AL119863, BE906419, AA72978Z, AW151132, AV682441, AI579979,
AA865914, AI923989, AI567238, AI583578, AL513801, BE966699, BF904176, AW161202,
AW190242, BF918076, AW40257L, AW263691, AI682743, N22276, BF965884, AL036957,
F35882, AI611728, AI925463, AL137618, AK027086, AC005782, AL133016, Y09972,
AF166267, AL080127, AF119899, AL133608, AF182215, U76419, S36676, AY004290,
AR083266, E04233, AF271350, AI877, AF116698, AF175903, AB025103, AF044221,
AK020694, U42766, AR050959, AL117583, AF217998, AF059612, AK027260, AL080060,
A65340, AL359600, AK026155, AF098162, AB047631, X98065, AF201468, E12579,
AF192557, AL157464, X84990, AF244915, L10353, E12580, AL135619, AF004162, X59414,
AB049892, AL137526, AK027173, S68736, AK025015, I66342, AL389943, AF178432,
AB038440, AR011880, AL110280, AF130055, AK026597, AK025407, AK024986, AB033381,
AB034701, AF081195, AL359616, AR020905, AK026652, AF151076, U57715, X86693,
AL133047, AK000160, E15582, AX025477, AK025798, AR068466, A93016, AL136321,
Y10655, AF215669, AF109683, I17767, AX015425, AF047443, AF072993, AC020581,
L24896, X96540, AF13694, A23327, AF130066, L13297, AI450138, AF218014, AL133640,
AF069506, AF118090, AR03694, AB048921, AK024622, AK026659, I30339, I30334,
AF130077, AL137656, X63574, AL137479, AK000489, AK025549, AL136884, L40386,
AL122049, D44497, AL133053, AK024944, AL162062, AL137712, AL133072, AK024524,

HPDKR203	557	102013 0	1 - 2717	15 - 2731	X82434, A07588, AF132676, AK070212, AF061836, U53505, U83980, AF090900, AC069550, AF115410, S69510, AK027102, AX046716, AL122050, AK000432, AF218033, and AK027182. BF795061, AW976162, A336187, BE787905, A1566053, AA621555, BE379004, A1888132, BF449002, A1572793, AW953596, AV731560, BE464189, BF700608, A1057629, AW690932, AV731217, W20089, AW949930, BF185794, BF574471, BF790461, A1033649, AW978656, BF590535, A1015769, AW974203, AW580919, AU129798, A1187161, BE566880, BF672832, BF701487, AW379270, BG176763, AW379230, AW819999, BE565065, A1016847, AA554284, A1470063, BF028077, A1436699, AW974207, A1433764, AU151875, AW607577, BE866508, AV730208, AA496518, BF801714, BE565163, A1804118, AW386794, A1185250, AW611543, AW576189, BE787936, BF081587, A1864050, AW606295, AA575266, A1292179, BF698279, AA937967, AV728215, AW662851, AW770253, AA903450, AA828540, AW819747, AW664434, BE972481, AV749931, BE566589, AA086404, BE565629, BF669858, N59859, A1090008, A1018582, AA31481, BF369464, AA639411, AA255868, A1044818, BE565965, BF028240, AA194974, A1277479, A1830724, AW819990, AA884776, BE088303, BF825153, AV706348, AA552565, AA112766, AA994736, AA307919, AA195042, AV727714, T92794, AV577193, BE091282, BE698130, AA747705, AA305360, AW078967, AA130846, A1383982, T92816, AW974202, BF032637, AA332267, AW578891, BE840891, N50876, AA385919, AA206009, AL531278, A1236069, D20276, AA573456, AA454851, N90429, AA206242, N20625, AA526251, AW820081, BE091322, BE179477, AA204820, AA804901, AA207272, D45772, A10553, X55316, X59710, L06145, M55045, X59713, and M60617.
HOCPO73	558	102018 0	1 - 3993	15 - 4007	AL517889, AL530663, AL590664, AL527010, AL519426, AL534226, AL517890, AL519425, AU118754, AW957151, AU125377, BE880094, AW467484, A1425003, AL532403, A1743711, BG261041, BF969175, AW269442, AW662661, AA686040, BE467609, BE795175, AU129661, BG149333, AV722937, A187839, BE503990, AA80061, BF511587, BE504725, BE550797, AV713026, BG111932, A1796765, BE779434, AW194726, A1141040, AU119219, AW675131, W295030, AA007763, BE836425, AU149049, BF382219, AW090689, AA129297, AW970465, BG010166, AA808655, BF210690, AU145244, BE219006, AW090757, AU145617, AU144713, AU151742, A1040749, AA743502, A1376068, BF115269, BF432202, BF677542, BE673593, A1624081, AA449017, BF431936, AA425355, BE075299, AW275278, AA234143, AA400665, BE935814, BF594345, BG006317, BF211366, AW172960, A1082446, AA535366, AV687417, AA235178, AW103577, A1536829, AA281366, A1393088, BE549680, AW104603, AA425560, BF433781, A1041616, BF672915, BF361973, AU118056, AA743516, A176159, AW169817, W07337, A1536829, AA281366, AA400717, AW013799, AA583447, AA084316, AW169817, AA809281, R60045, A1246220, A1690665, AA129338, AV690633, A1374726, BF514173, AW078570, AW340767, A1620168, AA765027, AA546431, BE774508, AA196027, K60591, AA091773, T09201, AL038082, BE841488, AV668425,

HNKDT10	559	102083 2	1 - 779	15 - 793	AW868215, BE838726, BE841448, R40348, T19238, AV693843, BF872872, BE838718, AA610349, BE075295, AA258800, AA080942, AI559926, AI699172, H90058, BF858122, AA196626, AI864835, AA039512, AA825830, AA258707, AW674514, AA063546, BF084936, N48281, R29125, D20317, AA236222, BF090882, AI094107, N75808, AA223384, D20865, AA262631, AI763013, BF792048, AA280748, AA610700, AA247116, AA039511, AI783925, AW089863, BI935787, BE940520, AA814789, N85326, AA223385, BF088997, AA629187, BF089063, AW877609, AW877694, BE061246, AW877768, BF987567, BE767099, BF895001, BE502370, AW182306, BF872869, BF988531, AW662780, AW861127, AW877699, BE061250, BF853765, AW877587, BE061199, BG113638, BF972777, BF155709, BI920100, L36529, and AA252985. AL040968, BE614464, BF475583, BF570251, BG236016, BE645059, BE72828 3, AA876119, AL040878, AW853004, AI620021, AW272525, AW853891, AW604445, AI810630, AI624158, BE000415, AA662674, BE72442, AW295598, AV682528, AI13929 1, BE927219, AW361341, AA428869, AA643689, AA101504, AA506178, AW368392, AI628041, AI223312, AW272772, AW974131, AA126031, BE774624, BE543621, AA126626, AI653219, AI831145, AA223723, BG258104, AA166669, AI393334, AW368396, BF349670, BE272468, BE696054, AA609710, AA182573, AA125839, AA627552, AI520735, T70552, AW245101, AA58589, AA967727, AW361336, AI659990, AI654578, AW301938, H98122, AW613874, AI128760, H06511, BE774570, AA071151, AA569083, AA409871, AW173734, AA653217, AA436546, N25030, AW978146, BE774538, AW074868, AW608903, AW518612, AW390796, AI308036, R56868, H84055, H29320, AW292509, AW338571, AA281089, AW696543, AA813942, AI682762, BE147900, AI612136, AW853793, AI612151, AA969587, BE828101, R10267, AA366775, AA776935, AW753301, BF816887, AI741693, AI525912, AA715437, AI802376, AI571962, AW876607, BE002394, BF832529, AI610191, AI242268, AA34573, AI918613, BE465631, BF095123, BE537892, C00578, BE242302, AW386767, AW999658, H53724, R72151, BE748607, AI362560, AA730228, AW469483, AI886770, AW795176, BE842481, BF822760, BE008855, BE774516, AW600274, BE093399, AI963787, AW879423, BE768742, AW579391, AW579321, AW176549, AW579382, AW579341, and AF191018.
HWHGO25	560	102084 1	1 - 651	15 - 665	AK025015, AL031280, AL049845, AF139813, AL135783, AL117337, AP000009, AL391384, AC004066, AC007383, AC007262, AP001429, AP000150, AC003025, AP001713, AC016601, AC020552, AC005578, D83253, AC024247, AC010358, AF205588, AC004228, AC034246, AI136170, AC006571, AL121977, AL157826, AL136314, AL031602, AC002045, AC008122, Z85996, AP000035, AP000031, AL136101, AC003013, AC005914, AC005330, AP000100, AL136981, AC003971, AL109952, AI000673, AC005538, AL109825, AC005041, AC004980, AL16281, AC016816, AC006452, AL162390, AL157372, AB011166, AC020898, AL022313, AC011464, AL021937, AL161757, AL034420, AC006483, AC003982, AC083871, Z97988,

Name	ID	Accession numbers	Range
HWMNE31	561	AP001727, AC006451, 297180, AC005369, AL031597, AC022402, AL022326, U95740, AL139014, AL162458, AL133246, D87675, Z82180, AL121751, AC003992, AF312915, AB026898, AC000062, AC006327, 298946, AL022337, AC008556, AC011663, AF131216, AC007225, AC005015, AL133335, AL156321, AC000353, AC000052, AL035495, AC004019, AC003962, AC009946, AC003070, AC007666, AC002395, AC010311, AC011495, AL031846, AP000359, AF196779, AL356010, AC003110, AK025772, AC003379, AC004166, AC006984, AP001711, AP001695, AC005005, AC007537, AC004686, AC016751, AL359708, U82671, AC021068, AJ246003, AF031078, AC005052, AC005080, AC008569, AL163203, AC004923, AC005725, AL031680, AC008267, AC006079, AC016951, AF030876, AC006262, AL049747, AC004841, AC008760, AP001607, AC018697, AL096775, Z81315, AC006254, AC006111, ALD24498, AC004460, AC002470, AC005340, AL137783, AC025765, AK001094, AL117377, ALD50312, AC008783, AC004984, AC007919, AL049820, AL357508, AL034418, AL157791, AC009087, AC009336, AL050318, AH00877, AL121658, AC005696, AC003006, AC073148, AL157838, AC005703, AL158040, AC008079, AC011490, AC013429, AL137782, AP001677, AC008060, AC004014, AC019187, AC009600, AC008482, AC005409, AF109907, AL133507, ALD31311, AL121586, AL122001, AC003101, AC000097, AC005011, AC007663, AL080275, AC007739, AC005781, AJ295844, AC004953, AC006547, AL031652, AP001552, AL359382, AL355098, AL031663, AC008490, AL133517, AL132987, AP001724, AL355094, AC007619, AC005250, AC007227, 295115, M63796, U89335, AL137191, AL121759, AC005098, AC015540, AL079355, AL080317, AL031670, AC010473, AC009248, W02765, W24794, AA469028, AA492383, AA503887, AA603234, AA917585, AA923690, AA193445, AA284249, AA412671, AA405278, AA705656, AD96706, AI261296, AI302784, AI458808, AA459231, AI247523, AI683171, AI693406, AT62161, AI762515, AI697643, AW272354, and AW296232.	15 - 1062
102085 2		AL523455, BF683619, BE396633, AL522875, BE727102, BE385361, BF971548, BE901324, BE251996, BF683401, BE727862, AW957923, BF972411, BE887273, BF063156, AV650861, BE348280, AI479252, AI471620, AW242495, AI138610, BF038793, AA307040, BF476579, AA631250, BG010494, BE327939, AW300589, BF348460, AI650780, AA126751, AW237339, BG008457, AW361221, BF949318, AA868353, BE704322, AW104774, AW853553, AW139397, BE252382, AI766554, BF803012, BF973574, BF805834, W22123, BE244245, BF986189, AW804846, BF996230, BE876641, AA131115, BE176635, BF089058, BG015073, BF808543, BF876184, BF743463, BE882668, BF876140, BE779075, BG008749, BG004714, AA159254, AL523454, AA159246, AI889092, AA054682, AA159444, BG029940, BE003218, BG109109, and AF083384.	1 - 1048
HUSYI75	562	BE616886, BE737370, BE313836, BE616411, BF314407, BF309777, BF683527, BG034665, BE259399, BF685748, BE799408, BF683989, BE313841, BF684679, BG256204, BF305186, BF684326, BF339386, BG120598, BF683765, BF304139, BG031413, BF205559, BF203380.	15 - 843
102087 8			1 - 829

HSDFS07	563	102090 4	1 - 1051	15 - 1065	BE269689, BE791703, BE299881, BE615099, BF686502, BE728257, BE621350, BE274159, BE272573, BE796339, BE271642, BE877780, BF972624, BE267433, BE263358, BF407188, BE260009, BF346232, BE264439, BE407642, BE207313, BF307831, BF032566, BE275275, BE390726, BE514965, BF737151, AI815489, BE264559, BE387322, BE206730, BE788557, AW161325, BE965238, BE736560, BE563817, BE907306, BE888612, BE740298, BE778841, BG034028, BE019288, AA314913, BF727015, BE410164, BE732813, BE732266, BF308734, BE736392, AA481180, AW238807, BE905096, BE222816, AI391538, BE530991, BE727894, BE300197, AA402703, AA291830, BE531146, AA430585, BG031733, BE409099, AA478002, BE272874, AA813180, F33626, W92063, AA477636, R48213, AA291416, H44698, D81578, AW410810, AW410990, BE737331, F31078, BF808120, AA404634, BE737623, BE563421, BE765469, BE746331, BF763087, BE540929, BF303947, BF765075, BE298233, BF765470, BE765471, BF764997, BE737526, BF763072, BF765732, R48212, BF766233, BF765132, BE765866, AW663018, AA199641, BF765141, BF765854, BF763071, BF765137, BF763064, R76366, BF765085, BF973876, BF765390, AA239156, H45856, AA527076, AA634419, W46900, AA740321, BE787834, BE881978, K53502, AA989515, AA992856, BG256112, AA082859, AA405613, N33016, AA431714, AA402251, AA428739, BE019171, H27361, AA433930, AA781076, BF853885, AI356153, AA421153, BE279846, AA527703, AA437290, AA548838, AA868508, AA045788, AA045789, R71978, H65104, AA557196, AA937294, AA394038, AA878768, AA397944, AW410991, H24982, AI017127, AA588044, AA810849, AA890113, N21435, AA235635, AA29632, AA911570, AA91411, AW410811, AA442369, AW960600, BF379278, W04477, BF765089, AA858106, BG249536, BF764187, N37052, AI372897, H26646, AA292262, AA478003, R50043, AA933578, AA405152, BF765063, W46762, D80356, BF765136, AI693701, AA199749, H27989, R50271, BF765135, BF763068, BF765855, AA316178, BF764189, N99395, AA971668, AA775564, AA835667, H61240, AI816429, AA640959, AI983807, BE203806, AI580256, AI243715, R54954, W94910, BE207966, AI239524, AI87009, AI858776, AA405176, AA439108, AA912974, H42340, BF766080, BE882433, AW025910, AA586393, AA259117, AI199548, AI122676, AI161006, BF766220, AI222240, AI269828, AI589829, BG107541, AA918617, AI700353, AK024699, AL121829, 298841, AA196167, and AA405175.
HCOPC09	564	102120 8	1 - 668	15 - 682	AV660563, W28683, H06169, U46296, BF791236, AI816502, H16434, W65439, AW901775, N44987, AL035427, and AB007903. BE877222, BE563229, BE906536, AW006817, AI46018, AI309831, AA075143, AA663587, BE273512, AW004931, N32191, N32189, AW189983, AA195167, AU155716, AA457910, AI128868, AW02561, AA50434, AW802439, AW802607, AW505990, AI190254, AA642293, AI953336, AI708906, AW802602, AW802604, AA569431, AA074407, AI369322, AW802589, AV656952, H26602, AV650964, BE003740, AW802600, AI017411, AA480199, F29822, BF111575, AI623115, AI886671, AI984344, AI194955, AA074308, T53523, C02021,

| HVVBT22 | 565 | 102132 3 | 1 - 1687 | 15 - 1701 | AJ749291, AU134911, BE813290, N51842, AW748175, AK001829, and AJ245905.
AU117422, AL514582, AL532153, AL535182, AU119503, AL515348, AL518412, AU142403,
AU136064, AU117566, AU125032, AU142609, AU120990, AU125166, AU120250,
AU122228, AU120208, AU131839, AU125690, AU120809, AU120431, AU120496,
AU121653, AU120969, AU130289, AU141529, AU117312, AU122759, BE731920,
AU125858, AU136185, AU143171, AU124914, AU123314, BE74881, AU124640, AL537080,
AU117082, BE747420, AU138101, AU143396, BE886071, AU134283, AU118420, AU130772,
AU133610, AU134639, AU122001, AU137905, AU124552, AU134165, AU126330,
AU120073, AU128599, BE019382, AU123242, BG03773, AU123244, AU128844,
AU128812, AU122063, AU140131, BE898670, BE781312, AU126452, AI57396, AW161269,
AV713949, AU134973, BE901129, BE257934, BE990262, AU128338, AW410254, AA175565,
AU129219, AA485276, BE271870, BF195178, AU127412, BE271305, BF508186, BE543295,
BF96416, BE883484, AU134938, BE874501, AA810505, BE280671, BE535185, BE791948,
AA466919, AW515392, BG231654, AV76024, BE563561, BE871731, BE514155, AA306727,
AW160602, AW614922, AW28678, AI751440, BE267332, AL038056, BE262753,
AW264678, BF035231, AA745986, BE874665, AU126313, BE795186, BG10962, BE779924,
AU143282, BF919797, BF920391, BF919798, BF919736, BF919863, BF887577, AW410104,
BF920023, AV760030, BF919859, BE277024, BF920401, BF919741, BF920393, BE728896,
BF892628, BG250877, AA643578, BF919800, BF919739, BF919855, AA136603, AV760748,
BF920402, BE895069, BE792450, AA461222, BE781751, AA905219, BF306371, AV760722,
AA173850, BE305335, AW073698, AA602419, BE049587, BF305270, AA863330, BE782876,
BE242149, AA361044, BF919846, BF30408, BE78731, AA306612, BE313786, BE778186,
AW976276, BE748292, BG035992, AV737626, AA826291, BF308278, BF970617,
AW161764, BF025985, BE883883, AA173728, AW580945, BF965263, BG119870,
AU125383, BE392807, AI751588, AA113339, AA214477, BG024481, AI160578, BE778007,
BE781925, AV757089, AA374616, BE264518, BF670760, BE269160, AW797530, BF688054,
BF920018, R42651, T4121I, AA359827, BG03368, BE271463, BF349723, BF919791,
BE085587, BF670517, BE670330, BE246601, R77057, T5111I, BE222796, BF210615,
D19665, AA74939I, AI22227, AA746250, BE085637, W22802, BF681379, BF688133,
AI659594, AA903199, BE710280, BE253002, AA084239, BF30647B, BE792623, BG167309,
BF032518, BE707092, BF576794, BF768008, AW166002, AA092065, AA333206, BE903624,
BF760014, BE277196, BE085565, BE867589, BF475712, AW672890, BE890700, AA361776,
T51019, BE071854, BE89375Z, BE94839, BI829205, BF21113I, BF688803, AV73173,
AW972818, L76159, Z23064, AR083785, AC00405I, AL121573, AL034397, A237847,
AI237846, AF031568, U62105, AF16619I, I57492, AF074708, AF074707, I41579,
AL133665, AL080139, AL389935, AA012755, AL357195, AF12472B, A77033, A77035,
AK026541, A23327, AL389962, AF230496, AL13623, AR050959, X00474, AF116602, |

HAMFW66	566	102132 7	1 - 2419	15 - 2433	AF199027, AB048953, AL133029, AF087943, AL137480, AK026506, AK025435, AK024855, AF116573, X82397, AL117460, AI03736, AA085262, AA173113, N83834, AA205473, AI439174, AI559781, and AI149923. AL526421, BF348345, AW960471, BF967738, BG029196, BE888136, AA521213, BG026624, AW269820, AL526380, AA935806, AI811094, BE544188, AW297814, AA530864, AW183088, N93208, AA190485, AI590925, AI580177, AA530872, BG166234, AI192467, AW675014, BG001657, AI770041, AI392640, N78499, AW613010, BF752886, AW082182, AA285173, AI031786, AI031914, AA283941, AA768225, AI921261, AA705598, N73658, AA189018, AA08228, AI081497, AA748426, AV722453, AV722710, AA812077, AV722812, AA825401, AV724527, AA729009, AI476037, AI797637, BF516236, AA181631, AW577499, BG261386, AA115700, I166289, AA190522, BE246170, R80280, BE247161, AA08373, AA826000, D44777, AA988049, AW449908, AA807271, AA829143, AI469173, AA474641, AA552196, AA961047, AA076472, AW183263, W38991, AW969186, AA328179, BE929231, Z30295, AI077532, AA076361, R66760, H57093, AA115701, R77473, AI541132, R31313, AA284026, BE813379, R76603, BE929288, R33300, AA190923, R31573, BF987396, AI824597, AA302351, H67718, AA639693, AW748613, R33149, R66399, AW613313, H57094, AA814297, R76604, AA329168, AI903265, AA091905, BE004643, AI472450, AA190924, F13607, BE926658, BF989794, AW577495, AA419387, BG105915, BE003461, AW440944, AF271070, AC016254, AF075704, and S77359.
HPMBW86	567	102166 1	1 - 884	15 - 898	AA282852, BE909837, AA324267, AI271171, AA82628, BE617994, AV722733, BF950693, AF129756, AL132713, AP000504, and AI245433.
HOFMK02	568	102166 6	1 - 373	15 - 387	BG168646, BG168645, BG117025, BG253641, BG025417, BG258222, BG167818, BG164284, BE612896, BG252223, BE62181, BF345060, BE910738, BF798053, BE621893, BG123011, BF984992, BG117030, BF984267, BG031014, BG117026, BE621810, BG168644, BE614378, BG253645, AA362688, AA362690, AA362689, T29199, BE631101, AL044652, BF793870, AR080280, I66487, A94048, A94061, AR035224, A49045, AR071324, I09252, I09251, AX002278, I09270, I09268, I09269, I07209, I07249, AX042374, AX033488, AX033489, AX033490, AR068508, AR068510, AR068734, AR068509, A63954, AX042377, AR091571, AX033474, AX035427, AR089207, AR089206, A49701, AX035430, AX033486, AX089208, AX033487, AR089205, A29109, A32111, I66495, AR068550, A23373, AR068551, AX042373, I66494, AR085090, F01324, I08638, A94046, A94054, I58322, I58323, I66498, I66497, I66496, I66486, AZ7169, AZ7170, A39929, A8351, AR067731, AR067732, AR083307, AR083308, AR070554, I09267, AX030435, AR051528, AR051547, AX030436, AR051537, AR051524, AX042376, AX042375, and A42964.
HOUHK71	569	102168 2	1 - 415	15 - 429	BG232144, AI078579, AI634879, AI206835, N32586, AI184760, AA992169, AI351746, N32600, AI830545, N62169, AI693942, AA602061, AW069038, AW768856, AA326452, AA811954, BF804385, AA662029, AW962235, F35674, AW664548, AI671077, AA297789.

AW243945, AI904944, AI567391, AA599532, AV762031, BI447461, AI816058, BF807722,
H43183, BF791744, BEI49998, AV695478, BF588859, AW511778, T41134, AI355246,
BF447405, AI472736, AA610255, AA507993, AA603558, AA643829, AW238712, AV754716,
AW79914, H54252, AV758967, F2330?, AI570237, AI797998, AV719668, AI889579,
BP920612, AV763026, AV763058, BF769085, AA714073, AW019964, AI053784, AA228778,
AV742485, BE042006, AI251034, AI254770, AD284543, AI054090, AI791718, AI279417,
AW975626, AA904211, H53284, AW265614, AI246061, AA365628, AV799150, BE882372,
AA832016, BF791923, AA831801, BF941269, BF724584, AV720318, AV719889, AI251284,
AI251203, AW799331, AI962094, AW265688, AA077619, AA628581, BF930113, BF926470,
AI250552, AA303165, R48980, BF901147, AA558404, AI915081, AA586646, AA582746,
AV720705, AA658934, AI134167, AA937809, AA362791, BE077105, AI872000, AA598605,
T93109, AI223626, BF797360, BF445759, AI249853, BEI39133, AW092298, AI251241,
BF934303, AI799421, AA837771, AV711393, BFI31019, AI049630, AA513884, BE885138,
AI620992, BF772045, AW862050, AA744095, AA706202, AW502757, AI114733, AI113552,
AA778962, F31951, BF345946, AU146249, AI047254, AW890425, AA486277, AW937805,
BB062478, AA780933, BE002147, BEI39139, AW471092, BG222875, AI434653, AI041375,
BP800649, BE062545, AW078821, BF990116, AA838091, BF746545, AA341865, AW511507,
BP997771, AA410788, BF957040, BEI38387, BF771402, AI357762, AA319787, BF674004,
AW389929, AA564107, AA713735, R70883, AU154924, AU146155, AW840750, AU147162,
AI023052, AW390284, BF924753, AW754431, AV720115, AA324088, BG250286, AI557422,
AL079734, AC007956, AC006026, AK025580, AFI32969, AC011890, AP000047, AP000115,
AP001717, AL117382, AP000305, AC018644, AP001435, AP000008, AL158198, AC006996,
AH400877, AL138706, AP000704, AP001727, AC068999, AC006525, AL096791, AC004984,
AC005046, AC01345B, I91321, AI277892, AP001728, AL353696, AP000010, AL132777,
AC002523, AC009311, AC005539, AL094699, AC006254, AC006257, AL031589, AL133353,
AL356010, AL109653, AC034931, AL121975, AC004491, AC007563, AC003024, AC004464,
AU271736, AL118520, AC073898, AL137164, AL137061, AC003695, AL049712, AC011287,
Z98941, AC008040, Z83843, AC006035, AL117187, AC010202, AL355305, AL445143,
AL160175, AC002480, AL136438, AP001693, AL138696, AC044791, AC008008, AC004659,
AC005013, AL450169, AC012000, AL222720, AC004142, AL136087, AC002091, AP000514,
AL163642, AC006324, AC006399, AC007920, AC026753, AL356782, AC024239, AP001724,
AC008009, AC004098, AI241726, AC007546, AL035464, AC018719, AE000658, AL354866,
AL049823, AC009783, Z95118, AC018642, AC005751, AP000151, AC064699, AC004822,
AC008838, AL359693, AC022316, AC040171, AL161646, AP000355, AC005177, AC002347,
AC005971, AC006355, AC002456, AH014077, AL009956, AL133344, AL137839, Z93928,
AI353804, AC004209, AC066598, AC007179, AC073504, AC073304, AC005509, AC012262, AC005036,

Name		ID	Range	Range	Accessions
HCOOW23	570	102175 9	1 - 909	15 - 923	AL139395, AL031575, AF152363, AL033378, AL139175, AC007446, AL391666, AC013358, AL133224, AL031387, AL035667, AC006226, AL136000, AC079045, AC019099, AC002090, AC005543, AL133467, AF001905, AL354933, AL159158, AC018694, AC002407, AL138780, AC005345, AL049766, AL137012, AL121936, AC006251, U91319, AL121965, AL139188, AL023803, AC007510, AC009169, AC000057, AP001595, AC010328, AL110758, U30460, AC087090, AC009498, AL158823, AL035045, AL139379, AL138815, AL445242, AL031655, AL445220, AC018832, AL356801, AL139109, AL109914, AL032821, AL354811, AC007784, AC007262, AL034350, AL031390, AC007404, 297196, AL022578, AC005058, AL335573, AC021999, AB019439, AL008627, AC005303, AC008843, Z98043, AL161804, AC003658, AP001695, AL138820, AC020754, AC007436, AL138894, AL049874, AP001672, AL161937, AL136170, 270280, AC009415, AL096819, AC022402, AC004470, AC005323, AP00344, AL135749, AC002302, AC003080, AL137020, AC005255, AP001760, AC002487, AC004920, AC018698, Z93930, AC006561, and AB045365.
IIACMT02	571	102179 4	1 - 321	15 - 335	BE253921, AL536770, AL533198, AL534756, AV650088, AL529457, BE293315, AI403132, AL534757, BG248619, AV759232, AL532630, BF515555, BF982726, BE932537, AW752338, BF337539, AL522277, BE252854, BF337870, BE888289, BE796085, AL522276, BE798216, AL536769, BE798556, AW820575, AL531572, AL532584, AL532226, BF342351, AI937797, AL529456, BE269295, AA853153, AA371767, BE296482, BF342746, BE794837, BF304289, AA322256, AL038180, BF204689, BE867391, BE737482, AA486356, AA359937, AL522571, BE925554, BE711533, BE548184, AA348677, AA34315, BF846052, AI878966, AX014299, AF158978, AF196969, AF220146, L08237, and AK000570.
HISDS67	572	102201 8	1 - 2308	15 - 2322	AL534825, BF966655, AL534826, BE297391, BF220011, BE245264, AW156875, BE791830, AL531756, AL288798, AI983649, AI983228, AU184467, BF194886, AI949855, AV751641, BE858463, BF530393, AL158916, BE670426, AU151009, AL537788, AI198922, AU141329, AL084858, AU130221, AA975273, AA826390, AW169907, BE467257, AI419391, BE467571, AA161209, AI369446, AU152769, AW474219, AI702643, AI085602, BG142258, AW471257, AW090631, W26589, AI085983, AI269061, AW079989, AW338324, AI934186, AI798753, AA772100, AW956493, AW654106, AI497580, BF890701, AV746621, BE696848, AU130902, BG056286, AU155631, AU141632, AI368950, AA702289, AV728848, AU133753, AI735233, BE832305, AU159447, AI042204, H45328, AU126443, BE327413, AI378413, BF367422, AI363351, BF940478, AW467982, AW150346, AI659074, BE612670, AA086226, R62990, AU090507, AI313477, AA112992, D61140, AI421781, AW052148, W32560, H15253, AU076839, AI436265, K63046, AA927548, AA757678, H13553, AI651723, BE672226, AW197530, AI367015, H12421, F34298, H45260, AI935399, R63712, AI671255, C15812, R43616, BF448890, BF477771, H12422, AI096595, W33679, AW411298, AW966063,

HGVAA.59	573	1022037	1-2880	15-2894	AW128862, AW001843, AA482578, BE328367, AA377846, AI077629, AI690355, AA654380, K68660, AA299000, BF352133, BF310574, HI3534, H41302, AU128780, BF352130, AW268127, AA365873, AA587492, K39217, BG105786, K2027, BE384449, AW957423, BF941068, D31426, BE729547, BE743568, BE410793, HI5252, BE903090, AW408329, AI564769, BF026087, AW246135, BF335432, BF685675, W37662, AL157426, AK022957, ALA49448, AK000633, AK026153, AF055078, AF161886, AC008969, AC010642, AF055077, AB029149, AB029150, and AA159113.
					BF663546, BE515265, BE271255, BF686472, BE271158, BE799923, BG250167, BG114802, BE560209, BE896965, BF983729, BE907113, BG113833, BE867974, BE512104, BF436337, BE267744, BE730335, BE267870, BG259130, BE780948, BF529227, AI678038, BE251580, AI302252, BE301829, AW006365, AW239255, BE88219, BE273260, AW29384, BE218473, AI912806, AW006535, BF058239, AA400151, AI346600, BF732881, BE560177, BE34861, AI703178, BF447926, AI684363, AI81411, AI23451, AA400177, AH58007, BF222427, BE513941, W44360, AA101019, AI479636, BF478032, AW078759, AI160522, BE797999, AA101020, AW296926, AA194366, AI283978, AI29323, AI578783, AI276087, AA399412, AW40621, AW614033, AW028776, AW40267, AW138677, AA308772, AA424970, BE219523, AW004676, AI014657, BF347470, N28719, AW247480, AI217469, AA194451, AW013943, AA582260, AI494169, AI287639, AA078843, AA459771, AA93541, AA962823, BF718676, AI58731, AW575260, BE241846, AW168461, AI609321, AW168460, AW501176, AA10492, N23054, AI270766, AW50116, H03116, AA052893, BE241450, BF061050, AI081881, AW088007, AI823294, AH73797, N79446, AA053066, AA155614, BE839053, AI910774, AA459294, W45713, AI859126, AW501340, AW075530, H25422, BE560824, K68175, H22671, 225175, BE241715, BG059631, AI92153, BG056804, BE887176, AI333925, AI285233, AI222309, BE537653, AI358978, HI2425, A017842, AI018011, BF941218, AA296841, H25463, AI025963, AA292172, AA516434, HI8375, AI909804, AA913370, BF740947, AI973056, AA644057, AI351425, AI540605, AI82426, T84848, AA972466, AW732545, AA495972, HS2832, AI202261, AW00152I, AW006790, R50745, H23627, AA985274, BF877647, W07816, AW380738, HS2831, BF903465, K50289, AA151082, AA830254, BG056687, AI744667, AI808482, AA807117, AW403735, H44855, AA406283, BE241528, AW131676, W23579, AI83034, W35247, AI26158, AI868512, AI671272, BF115474, AW593817, BF841813, AI223169, AI473155, BF588530, 228826, AW238907, BE560844, AA552350, AA580852, AI653221, AI917471, AI669976, AA033652, AA807814, BG013843, BF876270, H27900, AW166470, AA631984, BG010588, AI745340, AW751433, BE767176, H40656, BE767205, BF796402, AL039390, BF795712, BG252929, BG113493, BG029667, BF338002, BG167830, AI890907, BF971016, BG119543, BG113712, BF970425, BG163646, H97I261, AU046681, BF792736, BG180295, BF968504, BG108452, BG114865, BG111100, AP06578, BG179586, BG111590, BF968622, BG251851, BG165260,

HOCPL.72	574	1022059	1 - 2428	15 - 2442
			AU123211, AU133843, AU123628, AU126989, BI270303, BE965853, BF104740, BE782152, AW967966, AV710700, BF979638, AI760361, BE866209, BF572998, BF977379, AA835886, AA282291, AW152499, AA232116, BE694283, AA282292, BE866003, H24091, BE694299, BE694274, AL036481, AA587771, BF599096, BE694256, BE694301, AL050074, AI738975, AI137371, AW138609, W01426, AW370876, AI085600, AA258395, BF691661, BE828089, AI654432, BF980280, AW70872, BF825914, BE711349, BE694242, AA808145, AI249475, Z28899, AI095789, AI88383, AI363951, BE694255, AI041993, AL056075, AW631216,	BG104735, BG035330, BG029194, BF797998, BF983875, BG249858, AL046137, BF527274, BG111916, BF792586, AF144056, AL133084, L13297, AL122101, AL442082, AX017991, AL133112, AK025465, AK026583, AF031147, AF143723, AK026927, AL050393, AF017437, E32738, AL136884, AF076633, AK025491, M27260, AL050143, AK000489, AC004213, E03671, Z72491, U00763, L04849, AF013249, AL122045, AL133049, AL117432, AF090923, AF069506, X67813, AL137480, AF130059, AL049996, AF119860, AF130099, AF266284, AL117463, AB047904, AX040958, AF116688, AL133072, AK025209, AX040974, U30290, A006039, AR068466, U95739, AL035458, E12747, AL133063, AK000323, AL389935, AC020581, AB016226, AK026057, AK026541, U55017, X67688, AF094480, AB007812, AF132730, AK025113, U01145, AF155827, AF208026, AF102578, AR022283, AF217991, AK02622, AL137640, X59414, AL137550, AL050366, X53587, AL133070, AL050172, M85164, AL137254, AL02367, AF199027, AL162002, U92992, AB047941, AB044390, AB040710, AK026434, AL133657, AF130102, AF116631, AK026534, AF109683, AB049629, AK026959, AB031064, AB047248, AK026374, AF097052, AR083283, AL353956, AF180525, AL080127, I48978, A41575, AF145233, AL096720, AK027102, S78453, AF260566, AF119909, X92070, AK025312, AL110280, AL137555, U35846, AR081734, AF201468, AR03854, AK026506, L04859, AL080147, AK026522, AL049423, U95114, AK000250, X06146, U73682, M84133, AL049314, A77033, A77035, AL117626, U90884, AL080110, AF114784, E01963, AF207829, AL133016, I68732, AF119883, AF126247, AK024588, S63521, AK026504, AB047887, AL122050, AF087943, AB050418, AL390154, AL137530, AK025099, E12580, E12579, AF111851, AK026885, Z82022, AK025414, AL355713, AF159615, AF111849, AL137554, X84990, S77771, AL137529, AL080162, AK024944, AL130075, AF015958, X78627, AL137547, AI010277, AF106657, AF182215, AK000205, AL135933, AK026816, AL122049, AK025967, D44497, X80340, AF130100, AL359583, X63162, AL35993B, AF254119, AL133051, AK026631, AL110228, S61953, X60769, U70981, S36076, A65341, AL137461, U58996, AF090903, AL137256, D83032, AK000653, S68736, AF07051, AR068753, AL049283, AF118070, AF119896, A08913, AK026651, AB048881, AB025103, U67082, AL390139, AF142672, AB041611, AB046642, AK027210, AL110221, AB049758, AL096744, AL389943, AL137275, AL157431, A08910, S65585, AF107018, U88966, A08909, A21103, AF314091, and AW197620.

| HCOMM05 | 575 | 10208 2 | 1 - 1649 | 15 - 1663 | A1684838, AW664661, A1681546, AV708068, BE697720, BE620258, AW369843, AA788975, AI38025, AI128159, BE620797, H67557, W02157, AA837309, BF575014, BF672155, BF825241, AI263533, AI026121, BE711345, BG099512, BG694284, AA329966, AW016318, AA280569, AC007250, and AK001197. BG250919, BG168448, BG119581, BE873125, BE873068, BG026155, AI681802, AA534542, AL044632, AV698020, A1912061, A1912050, A1298280, AI271683, AA587766, AA143726, AA565889, AI052230, AD83603, BF939524, A1369272, AA079779, AI14467, AI028441, AW747800, N93876, AI050520, BF511609, AW024410, A1933105, AW138648, AW579260, A1244430, AW605368, AA583571, AA436795, BF345144, A1158795, AA079751, AA595313, AA947417, R27340, A1373637, AW182724, A1244362, A1869920, AW381284, A1348932, A1991003, A1250467, A1335565, A161516, A1252717, AW08641l, A1252210, A131017B, A1252203, A145138, A1308005, A1310659, A1250541, A1311180, A1259964, AW301779, A1348928, AW086115, BF840501, A1311179, A1250009, A1345868, A1305732, A1311504, AW30304B, A1269522, A1254155, A1335130, AW301495, A1251162, A1862506, A1371584, A1311043, A1251045, A1335320, A1305978, A1590436, A1284537, A1310038, AW30142z, AA158794, A1224292, A1252538, A1053635, A1862262, D31472, AW268255, A1685866, A1540612, BE043498, AW371409, W40369, BF71839z, AW071370, A1886550, AW371414, BF765964, BF805100, A1055911, A1024888, AA143739, BE645943, A1254135, AW748697, A1246935, AW177721, T35070, BE743993, BF765681, BF030689, AW748701, C00345, BG223100, AW371416, AW092858, AW827228, AW369434, AA581215, AW663332, BP968085, AW117919, BF814541, BF966388, BE898902, A193291S, BF726237, BF753020, BF342070, A1554245, AW132056, BF342475, A1800433, N80094, A1358213, BF726183, AW088899, A159153, BE048071, BF726504, BG163696, A1919107, BE064497, A1680457, BE047852, A1802833, AW020095, AA946741, A1698401, AL110306, AW118398, A1251830, AL041772, A1805769, A1929108, A1468872, A1680280, BE048157, BG116586, AW999049, A1251205, AI888621, BF343174, BE965192, BF970186, AL046356, AW195957, AW002342, AI889953, A1659795, AV714209, A1520809, A1569309, AW151785, AI498579, AI478123, AL119791, A192290l, AW198075, AW088134, A143273G, A1610645, BG058039, A1587606, A1699011, A1476109, BF341801, A1697324, A1335214, AV729451, AW081255, A1868831, AW073994, AI88894, BF344652, AW189415, AV757797, A1280670, A1590656, A1783861, AL119863, A1866608, A1886124, A1345746, A1680498, A1628217, A1802240, BE007440, BE543089, AL040241, BF899953, A1687065, AW827289, BF343172, A1469738, BE964700, BG029053, BG260037, A1805688, A1249877, BF970446, BE907624, AV728670, A1345677, BP982085, A195292O, BF814357, BE620444, AV756770, A143190Q, A1633062, AW06745, AW505354, A1343059, A176180, AW168051, BG150595, A1682743, AK025588, AK025824, AF119909, AL137526, I48978, AK000647, AL050138, AL080127, A1359583, AF217966, AX019230, AF078844, AF116688, A65341, AK025084, AK024538, AF130100, AL122098. |

2100

HL.YDC86	576	102216 2	1 - 2970	15 - 2984	AX019229, I89947, AR070212, A08916, AF130092, I48979, AL080060, AP026816, AK026885, X84990, A08913, AF130066, I89931, AK027116, AK025383, AK026452, AF158248, AF155148, A08910, AR087170, AF061943, A08909, AK000137, AR017152, AK026528, AK026480, ALO49382, AL050277, AF130077, AF125949, AF104032, AL389978, AK026784, AL137538, AK026608, S68736, AB034701, AF271350, AK026504, AL080074, AF177336, AL389939, AB052200, AF177401, AL133014, AK026551, AF130110, AF119894, AB052191, AK000083, AL122121, AK026045, AF162270, S78214, AK027164, AL122093, AL133606, AL162002, AF003737, AF113689, U67958, AL157479, AR059958, AF116649, A45787, AL117440, AF111112, AL137556, E03348, AB041801, AR000496, U39656, AF113222, AK000486, AF116646, U96683, AL133560, AF130104, AR038969, AK000652, Y11587, AK026642, AF119865, AL137271, AF217987, AL133093, AL050146, AL353940, AL080137, A08912, Y16645, AF119875, AF119871, AK025312, AK000323, AL137527, AF081197, AL110196, AK000445, AK026683, I3392, AF22524, AK026630, AL117394, X93495, AL137463, AB019565, AK026408, I26207, AR038854, AL359941, AK026533, AK026592, AL13747B, AF16267, AL133640, AB050534, AL133081, L30117, AK025209, AK026947, AK027193, AF113691, AR079032, AF11663I, AF008439, U72620, AL133104, AK026464, AK027113, AF097996, X87582, E05822, AL050024, AK026597, AB047887, A77033, A77035, AK000432, AF218014, X70685, AL049314, AK027200, X92070, AF116602, AL10221, AF130075, AL133016, AK025234, AF116682, AF175983, AF207829, AX006092, AL359615, AK025484, X96540, AL133565, X72889, AK024524, AF113019, AK027096, I09360, AK024601, AK026741, AL117460, AX020124, AL133075, AL162062, Y14314, AL050149, AL133077, AK026824, AX026823, A58524, A58523, A93016, AR013797, AB048953, AF111849, AL117585, AK027160, AF026124, AF219137, AF260566, AF111847, AL137521, AK026855, AF081199, AR011880, AF119883, AI083266, AI299431, AI242859, AK026627, AF130099, Y09972, AK026600, AF113676, AK026532, AF090896, AK000718, AL389982, E02221, AF079765, E04233, AK026865, S61953, AF091084, AF100931, AB047904, AL359618, AF183393, AF155221, AK000753, E07108, A07647, AK026462, AF116639, AL390167, AL080124, AL137476, AF119337, AF113690, AK024588, AF067728, AX042059, AL162003, AB047615, AB84538, and AI335140. AD207830, BF980256, BG255565, BF527753, AD207808, BG117478, BE882223, BF032245, BG107961, BG028168, AA418445, W55859, AI927385, AI885195, BF207485, AW959654, AW974422, AW026019, AI634742, BE672190, W55860, BE467355, BF216890, AW368105, AW167206, AW938120, AW780348, AI890090, AA600991, BF061307, AW008797, AW471447, BE328742, BF438483, AA486828, BE539697, AI22822, AI92204B, AA854525, AI139534, AW26992, AI082583, AI921872, AI689669, AI869021, AI198325, AA890469, BE546325, AA825182, AW166302, AA568725, AZ73743, AA872908, AA565397, AW185155, AA187931, AA137123, AA188547, BB673258, AI420396, AA130271, AI424421,

HTLEP21	577	102216 7	15 - 512	AA234216, AA837444, AV698758, AW081790, BF215282, AW001985, AI290692, N60050, AA487149, AA632867, AA278971, AA627287, AI421568, N30841, BE843068, AI015710, BE672175, AI080408, AV656531, I12069, AI86058, AA51344, AA772734, AA112054, AW512054, AA252409, AI527199, AA320611, AW512226, AW818993, 738627, AA460468, BP901042, H58266, AA600285, AI536727, AA336516, AA856652, AA376938, AA332020, AA319582, H53003, AI872704, AW819114, H27447, R64230, BF37565, AA336300, AA948563, N91625, R36577, AW754354, F03234, AW883669, H58658, AI873589, N73467, BF804502, AA360789, AA805558, BF870334, H53034, AA348195, AA312725, BF855351, BF901053, BG900249, N41368, BF906545, N68734, F01718, AA096049, BE836999, AA039632, N79304, AI095276, AL527194, BF088469, C1390, N48520, AA570529, AI92530, AA234028, AI333340, AA252364, BF35925, AW998964, N39406, AW962027, N88953, AA324480, AI86077, AW178942, Z44006, I10498, BG110839, AI308234, R52572, AV752119, BF96512, BF979615, N88646, Z21403, AA091227, Z60109, AA911274, F05669, AF171939, AF171941, AX013196, AC004846, AF09907, AF171938, AF171940, AI64104, AF108092, AR060049, U70674, AF170709, AF169191, AF16192, and AK023610.
			1 - 498	AA737807, BE96727, BF37404, BE514003, BE901238, BE902214, BE78641, BE560533, BF212227, AI950417, BF310368, AW296355, AI694694, BG113731, BE856560, AI341643, AW063848, AA448944, AV076055, AW772825, BF224446, AI341859, AA316241, AI950236, AW452665, AI796355, AI367080, AA582612, AW891296, AI338467, AW601444, T62771, AF081280, AF079325, AC010789, and AF267714.
HVCAS77	578	102231 3	15 - 1277	AL521313, AL521314, BF747572, BE253933, BF790552, BE796103, BF967677, BF791415, BE792769, BE274394, BE796689, BF796503, BE794149, BE793203, BE794288, BE793965, BE782408, BE730602, AI659313, BG259406, BF309144, BE795024, AW005203, BE899367, BG180536, BG166395, BF973764, BF002015, AI768158, BE782309, AW005822, BE793448, BE226339, BG112962, BE783146, BE252166, AL520006, AW409697, BE275767, BE797479, BF348188, AI811508, AW409803, BE336617, AA662424, BE408619, BE045964, AA532741, BE798119, BE251277, BE546783, AI245935, AI829864, AA805144, BG121848, BE729203, AA836071, BE208381, BF526851, BG036461, AI422141, AI333291, BE293399, AW071219, AI186332, AI989165, AI075429, AI765526, AI199555, AW631134, AA775457, AI369339, N76112, AA310550, BE560339, AW081404, AI440080, AI097580, AA057723, BF215457, AI306438, AI984535, AA835895, AA261829, AI333784, AA504630, AA314685, AA506513, AI660313, AI369337, AA775467, AW672784, AW698700, AA226477, AA639827, AW040380, AA125833, AA857593, BF804330, BF348989, I43541, AA705660, AI336830, R38335, BE547114, AA732440, I43540, BG232104, BF594600, AA26477, AI639827, BF588468, AA917401, AA329694, AA450327, BF002621, W05002, AW605466, AA995637, AW406034, AA055082, AA249052, AI74964, AW575850, R39418, AW63050, AA502317, AD277110, AI468717, BF807015, AI380789, AA504727, AI474540, AA450328, BF807011,
			1 - 1263	

HOGCA79	579	1022627	1 - 791	15 - 805	BF811653, BF811638, AA247723, AW604498, BF382264, AA059437, AI119511, AI119443, U46351, AI134902, AW392670, AW363220, AW384394, AW861889, AW858455, BF705905, AW604723, ALO42450, AI119497, AW858526, U46347, AW858525, AI134529, BE705904, BF868687, AI119335, AI134533, AI134528, AI119396, AW604726, AI134527, Z97029, ACO2034, AI251859, AX030435, AX046357, AR054110, AR06079, AI279014, and AR043113.
HSKJP93	580	1022663	1 - 902	15 - 916	BG168184, AL520454, W26661, AW852195, BG025290, AV724937, BF507602, BF088108, W03095, AL137260, AB023164, AKO24400, and AKO25279. AL529011, BG255347, BF690072, AL526898, BE619715, AL526862, AA225276, BE313356, AI038975, AI921710, AW008086, AI090281, AW069180, AI363208, BF589487, AI089610, AI347908, AW149792, BF438638, BF197170, AW169069, AI360030, BE962354, N20554, AA622048, BE645187, AI281053, AI078405, AI206446, AA234630, AI619944, BF677125, AA716597, W46238, AI363209, H57560, BF438307, AI076951, AI245901, AA232141, N50021, AA781638, AI339741, AI949284, AA587473, BF879123, AA417926, BE049614, AA039652, AA725052, AI088073, BE617041, AA873510, AI830029, AI674249, AI075714, BE301100, AI184096, BF060686, BF060708, AI143825, AI682736, AI371374, AI753946, AW517317, AA404562, Z41593, AW197868, AA039653, AI201064, AA226403, AA911964, AA936800, AA587227, AI180295, AI375376, AI472925, AI375208, AA633085, AI917575, AI796045, W46237, AA256621, AI276514, T35186, BE440014, AI022101, AA490686, AW753961, BE720795, AA490464, AW380609, AA907215, T23530, H69686, AW207363, BF088878, AI272710, BE814054, AA677846, AI887107, AI382910, AI340115, AW591579, T69837, AI483612, AI868215, AW800073, AA382930, BE931847, AA508694, BE763875, AW025790, T29949, BF917720, BE715584, AA709274, BE172905, AW578884, AI000438, T70170, Z39224, AI242350, AI242352, AA065234, BF037167, T32777, AA232682, AI498572, BF593504, AA559094, BE715507, AW591554, BF736794, AA747146, AA442426, AI498518, AA715001, AA064932, AW79538, AW795199, BE814103, AI869467, BE832738, BE832684, AW967343, AW879422, BF815725, and ALO50022.
HAZAA64	581	1022719	1 - 1012	15 - 1026	BG250151, BG030305, BE621879, BE877128, BG169415, BF15280, BG115047, BE313140, BG178675, BG250651, DE780849, BG621219, BE888948, BF984358, BE883171, AW955813, BG027461, BF978356, BG028391, BF978621, BF968789, BE313134, AV706213, BE261031, BG178287, BE407132, BF573272, BE265622, BE047800, BF111443, AI039662, AI432190, AI750500, AA181190, AI264676, AI700663, AI554856, AI37371, BF965142, AI151373, AA227851, AW248400, AI571831, AA900468, AW266035, AW265997, AA836965, AI217114, AI636464, AA902875, AW263443, AW246715, AI348664, AI660883, BE932685, AW057916, AI817324, AA464607, AI336179, AI080510, AW194208, AA035005, W73343, AA100458, AA989396, AA774506, AA100457, AA765035, BE932688, AA805569, AI400059, AA599048, AA749257, K60617, AA157856, AA570219, AI400073, AA826173, W73512,

HSEBD72	582	102904	1 - 613	15 - 627	AA112021, AI695582, AA573558, BF772814, AA157921, AA227605, AI750579, AA353565, AA188269, W95256, AA987195, F20720, AA471252, AA035106, AA035006, BE296789, BF438531, AA889565, AA437128, AA035504, AA837214, AA884570, AA912419, AA235019, AI918748, W87516, T62997, AW404111, R17503, AA332419, AA337856, AA355412, AI420814, BF906638, BG167543, AA740598, T63140, AA537479, AI351271, AW161694, AA496183, W95158, BE965706, AA031607, C00461, AV688389, AV689546, AA215875, AA585473, AA031363, BF683657, AW299923, AW139861, BG251572, BF434829, BF684686, AI381769, AI279339, BK254918, AV728366, AA23471, R60561, AK026165, AK027059, AL109953, and AL110094. BG259688, BG256381, BG106089, BF540736, BV685406, BG258836, BF317099, BE885124, BF685000, BG119494, BG026412, BG169451, AA13062, BF333064, BF035082, BF794548, AW163597, BB887335, AW247610, AV762460, BF769830, BE769829, BF30782,4 BG256286, BF346899, BF035806, BE891041, BF668220, BF735421, BF34627, AV764510, BF686475, BE905176, BF965427, BE563345, AW404764, BG105558, BE292726, BE732009, BF674377, BE733090, BF978450, BF509938, BG260314, BF218394, BF699000, BF784528, BF879216, BG253332, BE907669, BG028162, W65380, AW939133, BG260576, AW406459, BG032966, BF879284, AA037254, BF669461, BG249709, BF34462,4 AV688291, BG025832, BG114919, BE790011, BE547194, AW605534, BF689211, BE275820, BE895300, BF794947, BE274641, AV761956, AV760279, BE617459, BF237719, BF769691, AA244342, AW802123, BE905962, BE795747, AA736559, AV660803, H19605, BF768800, AV761301, AI718292, AI081068, AV716780, BF829067, AI033692, W37563, AI805149, BF343157, BF374369, AW157339, N55921, AA308978, AW880508, BE747475, H49329, BF689432, BF73806, BE832841, AW161592, BF185152, AW796437, BE568100, AV694334, BF768790, AW057902, BE617906, BF360560, R62329, BE539858, AW66269, AV711201, R69210, BG254986, R66651, AW802172, AW881164, W38866, AV655875, AW802153, H87324, AW340407, R71144, AV688290, BF879276, BF214803, BF929293, R81889, BG120942, BE560575, AW802168, R53482, BF209485, HI5764, AW802110, BF681137, AA375768, AW802147, BE077283, BF771934, H50061, BG171644, BG058508, H42936, BF077392, R48677, BE082886, AW407445, AA347144, AW802114, AW340164, R82676, D30956, T83271, D31446, AA405848, BF246844, AW583591, BE077328, AI377826, AA063466, AA371719, BF771933, AW794316, BE298232, BF376838, AA506331, AA062973, BF376632, AA374912, AA877781, AI245944, AI87035,2 AV361732, AA309983, AA507296, AA405806, BF770066, AV958497, BF908127, AI376668, AW080994, T86590, BF349383, AA65402,2 AA132472, BE694406, AI753821, AA84395,8 AW804272, AA502629, AW262017, AI871454, BE170840, N26275, AW002974, AI200846, AA968888, N92574, AI368783, AI023505, AW878956, AA508010, H96667, AI094436, AI222362, AW800153, AI818859, AA035095, AA844075, AW973531, BF806782, AW845533, BF807373, BE868465, AA401366, BF806177, BF806786,

					BF810002, BF806190, BF868506, BF868510, BF804849, BF947111, AA576753, BF868597, BF869189, BF869183, BF806191, R58135, BF806849, BF868551, BF869185, BF810004, BF869218, BF804838, BF806661, BF868596, BF806189, BF804841, F18900, BF800552, AF068235, AF044773, ALI17694, AB024333, AB025349, AC078937, AF070047, AF037080, AR080280, and AB026436.
HDPYE27	583	10291 1	1-2457	15-2471	AL535627, AU117693, AU133608, AU119497, AL134742, AU133888, BG105714, AW025344, BF979860, AU133649, BE300443, AW612474, BF526063, AV71772I, BG251688, AI658995, AW341214, BG170879, AI806196, BE544828, BF432471, BE869548, BF792621, AW867813, AU136996, AW671220, AI440474, AG260994, BI966796, AU969455, AV701778, AW149733, AI346272, BG166396, BF340507, AI765002, BF738221, AV662073, AV752780, BF694518, AV748898, BE549788, AI094259, BE738065, AV661976, BF671837, BE089819, BE795834, AV734070, BE005803, AV686490, AV686488, BE005795, N75091, AV662018, BE005664, BE895332, BE178956, BF242928, AI122783, W29011, AI333196, AI825897, AA314971, AV752594, BE005606, BE858054, BF130219, BF57684I, AW664049, AV661779, BE005669, BF540905, AW022145, N77557, N28928, AA243776, AA165101, AW900013, BF589341, BE005676, BE029622, BE029662, BE005575, AA228021, BG120042, AA743613, BE005741, BE005737, W60732, BF952459, AI299595, AI24627R, AI080681, AA926635, AA035737, AW631275, W73050, AI379933, AA228112, BF954892, BE005568, BF963753, AA082696, BF670939, BE675773, BE005736, BE005746, BF327649, AI274376, AA281420, AA243648, N27998, BF575026, BE164952, AA278973, AA410182, AA939035, AA232786, AA410201, AW630845, AI873477, AW953374, AI830057, AI026003, N43014, BE084625, AV682830, BE081358, AW900070, AI828386, N75197, W37990, AW900066, AV654432, AI282107, AA233347, N36648, AI095232, AI915416, BF363823, R56367, AV659848, D56390, BG037063, H04632, T08244, AV650468, AA130092, AW193046, AW468972, BF577350, H42814, BF790682, AA778440, H21609, AV658915, AV751826, AA386234, R31373, N37091, BE762493, BF239542, AA912662, M78700, BF725237, BF247208, AW900064, BE708290, AW007159, AA310870, AV662402, R76203, AA639654, AW999182, BF950167, AI094600, AW021634, BF737909, AI683811, AA057679, AV651954, T35315, AA053789, H12348, AA094999, BE814819, W80865, N47433, H72981, AW370192, AU145818, AV750848, T34113, BE000442, AV750781, N50027, BG057321, W07579, T31648, AI744925, D58486, T30904, N80416, AI698554, R59114, F06223, C04716, N46147, D82417, N22321, N43000, BF927725, BN029395, BE165011, AA298197, BE181257, R78803, F12336, AA486303, R96110, AI363334, C03677, T60084, R33003, F06176, R24775, AA479455, AU144460, T16664, AI963359, AA45747, AI39917, AI500179, AI65391, AA69500, T35648, AA737626, AI833501, AI697381, AI040028, AA302375, N21339, AI647948, AI336372, T31494, N38773, AV747459, AI244054, AW663192, AK025782, AF062347, AF062346, ALI35924, AF062072, AF062071, AC011497, X75687, L37047.

HCRQL51	584	102997	1 - 2305	AU119322, AU118070, BF793583, AU137424, BI617595, BE315138, BE745899, BI963625, AL536796, BF035337, BG252446, BF037602, BF034003, AW962462, BF032444, BE906949, AI735021, BE788139, BG180237, BF969987, AA742531, BE251625, AV686830, BE293987, AW961556, BG180156, AI883309, BF796435, BE780280, BE301295, BE746423, AV703004, AA305098, BF035583, BE294731, BF306595, AV703002, BG179712, AL525791, BE298699, BG114053, AW411113, W74495, AI669362, W81038, BW032316, W80993, BE250265, BF308144, BF203753, BE544148, AA164898, BF219917, W52079, AW055121, AU151701, BG026198, CI8503, AA826677, AU153875, AA861256, N58519, AA490662, BF107490, AW439205, AI141566, BE295898, BE467825, BF93939, N78110, AA022816, AU145096, AI139127, AI532333, AU144725, AI687696, AA164350, AI131285, AW026846, AA628910, AI312082, W68312, AI160305, AI18908, AA490663, AU31850, AU146589, N52266, AU153513, AA452014, AI144355, BE297017, AV747490, AI362317, AI87487, AA460515, AA628412, AW028103, AA063604, I98002, I98026, AI761235, AA902345, AU150829, AI435142, AI185808, BF204612, AA865476, BE298732, AA128515, BF195219, BG054834, AA343957, AA022724, AU150185, AA452667, AU157170, W79092, AI280837, AI146288, N99570, AW411362, AA406257, AI521491, AU120552, N70514, BF589080, AI375013, BF110251, AI141866, W92519, W69407, AA046582, AA411293, HI9196, AA770242, W79442, AI190213, AA406349, AI221257, AI333864, AA886676, BG111370, W03825, AA406194, W68313, W95431, AA903867, W05412, W74422, W74431, AI141157, BF793351, AA653273, AI038020, BE271596, AA694594, AU131039, AI878927, N95320, AI802326, AA305289, AW411114, R18211, BE616934, AW069853, AH71836, BF793734, AI150777, W69593, AI094648, AV693992, N90108, BF365091, AA931449, AA039647, W79185, W73571, AA653287, AI185405, BF330499, R70970, H97401, AA039648, F08689, AA046668, BF038202, AA129961, AA305621, AI871226, AW087931, BE271614, BF309462, W38390, AW802705, AW806684, W94367, AA367561, AI097533, AA621450, R17280, AI057156, AI214700, W76075, AI015116, W95558, W81075, AA693348, BG036963, BE295852, N70464, AA449581, R89201, AA368025, AA091769, W42631, W24562, AA649724, F08884, H97406, AA450357, CI5326, R66204, R96759, BG036738, AA328199, F08872, AV685126, TI9284, AA460514, W79342, AW044059, AA728839, AU127692, AA331425, BF054990, TS1402, R44806, AW023107, AA330284, AV752334, AA340217, AA358762, W79158, AA494531, W73490, AU129611, CI5210, N46311, FI1207, AX014085, YI1534, D78611, D87367, ACQ07938, DI6262, AL445439, AK002086, AK002081, AI57833, TI4841, TS2292, RI9141, R23196, R23195, R23611, R24673, R25173, R41957, R42149, R41957, R42149, R67082,
			15 - 2319	AL035687, S77728, S77733, AL031779, R33002, R35868, R38141, R74436, H43352, R84456, H72982, H88910, N42305, N43789, N46405, W24772, AA032297, AA034617, AA057645, AA228055, AA236690, AA258520, N87136, AA096136, AA096511, ZZ4957, Z42327, F05590, and AI264124.

| HDTCC55 | 585 | 1023046 | 1 - 520 | 15 - 534 | R70922, H18530, N71560, N72917, W24586, W45234, W81095, W95593, W95659, AA036686, AA594301, AA614281, AA744990, AA903669, AA914281, AA912250, AA935387, N56192, CI4901, AA092504, CI4933, CI5022, AA099150, AA093911, AA095699, AA205895, AA211924, AA450356, AA598610, AA665512, AI01790, F03758, F11221, AI369005, AH24616, AI42359, AI127146, AI219689, AI205839, AI350451, and AW089816. AA258999, AW968317, AA188896, W37285, AA279200, AI224604, N46923, AC007246, and AC007253. |
| HOOIQ91 | 586 | 1023049 | 1 - 1295 | 15 - 1309 | AW168960, AI768465, AA833900, AW513031, AW172822, BE047295, AW168819, AI022412, AA234667, AW167313, AW072542, AA234092, AI733409, BE047365, AU147222, AA169392, AI683793, AW150155, AI812106, AW194288, AW189221, AI042034, AI624047, AI564173, AI870263, AW192809, AI743616, BG166439, AI623851, AW419167, AW002809, AA937976, BE047176, AI564249, AI624863, AI623924, AI469088, AI041979, AI871945, AI871951, AI580123, AW205936, BB935573, AI571334, AI554903, AI625585, AA828595, AI783522, AI047564, AI745174, AI556183, BE677512, AA426189, AI826615, AI333335, AI253620, AI347565, AI248726, AI201873, BF433582, AI453879, BE674699, AI367602, AA962745, AI560271, AI417677, BF002902, BE677503, BF109285, BE045621, AI499139, BE315309, AI671362, AI559403, AI674360, BE50132, AI859468, AI301030, AI767147, AW169324, AI694531, AV754007, AI310735, AW157803, BF724651, AI826759, AI279129, AI003585, AI621336, AA827587, AI680494, BE218962, AI078673, AI672366, AI733257, AA789104, AV754606, AA205327, AW170737, AI093680, AI926231, AI619860, AI784110, AW293059, AI800270, AA283760, N25626, AA457543, AA559351, AW473664, AA828577, C75159, AW130212, AI872863, AA302630, BG166851, H46978, AW002819, AA831557, AI200964, AW512414, AI290120, AA464958, AA931732, AW979025, AA405630, AI817564, AI124945, AI478915, AA809727, AA286859, AA283951, AA829588, BF841884, BF346199, AA287165, AI278996, R34748, AI246335, AA253309, BG113717, AI923125, AW971894, BF769175, AA984914, AI370393, AA134112, AI381491, AI793281, AA115873, AA029807, H00578, BF814192, AA234721, AI252903, AA629539, BE932216, AI191747, AI669856, AI565478, AI987462, AA703946, H01491, AI95885, W81069, H17450, BF850162, AA384359, R35085, AI761053, BE963431, AA702262, R51044, R09408, AV750439, AA978001, F12486, AW867924, BE618648, AA757319, AI001988, AI935595, AA526772, AI85093, AA582172, AA721397, AA552269, AA721299, AW867939, AI247246, AI453231, FI5201, AA384384, BF083266, AW602400, BF940390, BE774537, AW973189, I74222, AI201095, AW867946, AI935681, AI865498, AI804497, FI5194, AW977077, AI287361, AA788650, AI080317, AC008554, AC011751, I29750, AI357654, AI158167, AI179874, ALO31073, AC016678, AC010598, AI122001, AI157931, ACO10877, ACO07068, AI121947, Z97876, AP001748, AP001629, AK022175, AC005023, AC011506, U85197, AE000660, AC002301, AL121931, AC012099, AL121593, AL109843, AL353759, AC006313, |

HCE4K28	587	1022327	1 - 828	15 - 842	AP000964, AP001691, AL022574, AL021808, AC005924, AC006047, AP000509, AC004185, AL133458, D84394, AC010348, AC006376, AC008550, ALI62294, AC005255, AP001254, AL035457, AC073466, Z82215, AL161938, AP001678, AC019117, AC003006, M32219, AC012039, AC035147, AC000542, AC004474, AL030995, AC007546, M32220, AL133546, AC083862, AL023879, AC009330, AL132774, Y12262, AP001213, AL160153, AC005046, AP001210, AP000131, M19339, AR086342, AC007269, AF027390, AC013412, AL355052, AL132659, AP001747, AP001628, AF205588, AL022150, AC005378, AL109938, and AI961622.
HPDVY62	588	1023264	1 - 1441	15 - 1455	BE251233, BF038927, BF347465, BE255791, BG261100, BE265011, BG252766, BF237964, BF341361, BF811744, BF812225, BF812221, BF811725, BF803568, BF683177, BF811925, BF803566, BF803575, BF341300, BET10680, AI338346, BE257293, AA740876, AW247781, BG149833, BF526519, BF808322, BE266628, AI813350, AA419453, AW007022, AA159868, AI394647, AI831560, AI986018, AI391639, AA251685, AI923681, BF808339, AA159159, BE501108, AI283861, AI459093, BE251035, AW167781, N57101, AI191699, AW137364, H80556, BE736716, AW793699, BF718607, BE923354, BE466741, AI245965, AA708766, AW571508, AA251686, AA252787, W76495, BF434616, AI955009, AA419463, BF812236, BF378516, BG056211, AI003741, AI203962, AI057195, AW026970, W16577, AI376270, AI300556, W71991, AA394018, AI094017, BF811912, AA609205, AI379060, AA461579, AI421922, AA084917, AI356865, H18135, AI783705, AI127734, AI370833, T68938, AW976556, AA084133, AI191294, AI826910, BF108552, BE766920, AA679251, AI269971, BE394697, AA601010, AW883934, AW83925, BG014220, AI800716, BE671366, BE673174, AA744620, AI344391, A.632031, AI400996, BG014333, BF118567, AI796780, BF348502, BG236778, AI378507, AI744581, AU134588, AA159208, H41958, AI241187, U66879, AP021792, I63695, AR079500, AF031523, AR031227, AR027720, AR027721, AR027722, L37296, AR053293, AR027723, AF001353, AF279910, AK023420, AF279911, Z57098, AR027724, AR027725, AR027726, Z57099, AR027727, and Z57752.
HLHDK42	589	1023339	1 - 500	15 - 514	BF791680, AL157538, AI610419, N76659, BF216785, AW119303, AI079664, H15335, BE697296, BF906493, BE142894, AW797489, W32059, R35591, BF062564, BE835658, BF766768, BE546573, AV692836, R22184, T85798, BE142893, AW379474, BF687947, AA329802, BE536844, AW903869, AW903870, AW380710, BE819364, AR016730, and D50857.
HLDRQ55	590	1023375	1 - 409	15 - 423	BE561708, BE397890, BE268639, BE397751, BE397790, BE265915I, BE873069, BE268295, AU120617, BE271270, BE268703, BE268701, BE398100, AA334094, AA995307, AW995309, W31960, BF895806, BF931643, BF930965, BG002721, BG002138, BG002722, BG002718, BG005940, BE174438, BF819638, BE167551, BF819433, W76394, BF812079.

HVVB106	591	102341 4	1 - 1435	15 - 1449	BG000292, BF087746, AK025337, AF034803, AK001131, and U79024. AU121060, AL524073, BE731783, BE733775, BE798760, BE797665, BF982757, BE729218, BE728554, AV723001, AV716494, BE695605, BF242517, BE732954, BF795423, BE879759, BE732923, BE562197, BG115476, BE896076, BE562376, BE794139, BF672980, BF032401, BE732931, BE563691, BE896648, BE885875, BF213466, BE874320, BF665994, AW961027, BF667041, AW961019, BE619281, BF965285, BF184706, BF1K336, BE543111, BF240830, BE270698, BF973136, AI114724, BE385687, BE787172, BF978238, BF125558, BE707607, BE391842, BF694036, BF184106, AW951807, BF212993, BF184932, BE734775, AV715859, BF573586, BF697212, BF103826, BF213045, BF701226, BF238438, BF212145, AI52578, AV710440, AV759667, AV703094, BF609530, BE548132, BE734425, BE564883, BF183393, W02952, BF685104, BF212212, BE564063, BE567314, BF028072, BF697499, BF672133, BF695461, BF664731, BF573565, BF212506, BF699650, BE562148, BE958217, AA187814, BE958124, BF695287, BF184999, AV717310, AV70618, BE567531, BE737389, BF103745, BF668704, BF665496, BF242298, BF699106, BF132731, BE566481, AV715122, BE568506, BF571371, BF700006, BE270579, BG110157, BF212115, BF668868, AV715832, AV714082, AA187818, AV714956, BF027705, BF695727, AL524072, BE250921, BE564282, BF207927, BF132342, BF665427, BF208451, BF239518, BE583083, BF184647, BF214386, BF351648, BF668895, BF029289, BF573910, BF212012, BE407757, BF248417, BF132410, BF698893, BF696699, BE563995, AV716411, BF977835, AV715099, BF155127, AA315423, BF029476, BF700327, AA011002, BF030329, BF210488, BF671021, N24411, AV722691, AW631367, BF239345, BF028941, W39678, W07050, AV750423, AA313955, BF744150, AW751793, BF029529, N79718, AA588785, N27672, BF212072, BF211229, BF211856, BF242151, AA037095, BF034657, BE960836, AA101348, BF414352, BF103884, W81499, BF239431, BF698675, BF215318, H82172, AW629729, AV761372, BF215826, AA157381, BF126109, AV756747, AV756268, BF676288, H16955, AV712613, AV762396, T32107, BF667232, BE777574, BG026950, AA157614, AV717904, BF570823, AV658036, BF239745, W40280, AV713889, W16740, BF217052, T59582, AV750431, AV685082, BE775036, BE748945, T35555, AA305434, AV707476, BG035879, AI742758, AV706173, BF701311, BE775071, BE619895, BF695315, BE569188, W24555, BE567258, W65442, BG034184, AA363213, H81955, AI037301, T34594, BF354152, T33392, Z45780, BE709223, AU133503, AU115886, R00935, BE614342, W19245, AW025087, AV755537, BF243756, R22626, T35968, AV656765, AW363004, BE613624, T19361, BE354185, BE254680, N56123, BF753104, BF748791, AF064603, AL078477, AK001768, H95940, W24774, and AA089459.
HOCME51	592	102342 2	1 - 820	15 - 834	BB903361, BG024522, AU121709, AU120408, BF12234, BE28271, AL528866, BG030073, BE753538, AL529949, BE25493, BE873142, BE871646, BB589244, AW445184, AL519310, BF339823, BF944071, AW72693, BF205532, AW370642, AW246161, BE262499, AA702613, AW246657, BE314433, AW361547, AL519664, BF313220, BE280953.

			15 - 1660	AW444787, BE514470, BE796255, BE743573, BG166846, BE561976, BE728520, F31306, R60742, AW403020, BG107429, BE883969, BE279804, BF240240, Z44022, AA356461, D31044, C04685, BE268813, BG164965, FN5332, BE621018, D31192, AW247979, AA158906, AA471248, BE829084, BE829145, BE930490, W04803, AA233384, BG248116, AA300610, H84800, AC011526, and AK001103.
			1 - 1646	AL515112, AU142335, BE747636, AL519047, BG034207, AU130268, BE900224, BE797717, BE797012, BE794333, AU120518, BE741737, AU121130, BG163776, BF035644, BE793884, BG258183, BE791478, BE790974, BE744546, BF734152, BE787289, BF569162, BE744251, BE903073, BF025650, BE791225, AU122661, BF733512, BE561359, BE70507, BF984460, BF568938, BF311137, BE732820, BE253671, BE274893, BE740907, BE382686, AU131487, BE908861, BE901585, BG251242, BF317343, BG255108, BE270700, BE730619, BE733166, BE790899, BE513857, BE794994, AU143085, BE296428, BF037558, BF972271, BE562328, BE733956, BE397680, BF568100, BE548679, BF969945, BE890349, BE541044, BE386114, BE732240, BE264178, BG255263, BF308361, AI246046, BE269817, BE257703, AA928500, BE251347, BE787474, AV71404, BG119567, BG030821, BE884879, BE386634, BF308115, BE268046, BE267345, BE539029, BG258880, BE792587, BE255191, BF305594, BE560772, AA002325, AI003495, BE902573, BE295292, BE270267, BE53427, BE384555, BE397681, BG027828, BF797623, BF30537B, BE562077, BF316656, BE275737, BE270325, BG027977, BE252374, BE294306, BE390156, BE389542, BE257279, BF791831, BF309261, BE280388, BE513455, BF311867, BE26996, AW07905B, BE263474, BE384067, AV733594, BE895782, BE279042, AW369617, AW733050, AW473344, BF125667, AW169145, BE260112, AU126283, BE894716, AW276653, AA07462B, BE277505, AI597736, BG256576, AW247190, BG121290, BF303833, BG249325, BE622224, BF312323, BE252020, BE539532, BE882264, BE256126, BF206827, BF692334, BE268057, AI859592, AA187762, BE279598, BE542589, BE266607, BE79811, BG180827, AA595282, AA081122, BE388284, BE557314, AI888202, BE901326, BE256075, BE387931, BE294099, AI672924, BF315163, BF695645, BE398080, BF983598, BF128665, BE394973, BF838286, BF206986, BE295035, AW247314, BE312949, BE542939, BE301402, AA736416, BE622625, AA40273, AA479876, BI25389, AL038991, AA147791, BE743553, AA075926, AW959817, BE567356, AA191539, AW008725, BE791264, BE259660, AI689399, BE933968, AA588318, AW23892, AA308544, BF209071, BE304572, AI89167, BG255226, AA479766, BG179204, AW247110, AA903041, AI241523, BF238540, AW406847, AA306580, AA155786, AU151057, BG249268, AW73038, BE208529, AU12829, AU159673, AW160059, AA583794, AA475144, AA081167, BE386908, AA448332, AA72742, BE297085, BF033617, BE798264, BE26798, BEI149825, AI673444, N52020, AI298290, AA98274, W28391, BF209617, BF840705, AW138544, AA443586, AW966061, BF058848, AW581061, BE263571, C06415, U59435, AK035973, U87954,
HPDOP74	593	102353/1	1 - 1660	

HMSOH12	594	1023545	1 - 1560	15 - 1574		
			U43918, AI136460, X84789, AC008162, AK025367, AFI04670, AFI04669, AFI04668, U50137, T60042, R35982, R36532, R71676, R71708, R81258, N54633, W20488, W32732, W52392, W51819, W56672, W56737, W69199, W69303, AA076403, AA076454, AA079384, AA079383, AA081307, AA081168, AA099395, AA132481, AA132570, AA147141, AA156100, AA165319, AA181561, AA181578, AA181624, AA182455, AA182912, AA182814, AA181655, AA190808, AA190417, AA191261, AA458462, AA470439, FI7035, AA639129, AA662724, AA721774, AA766633, AA857053, AA913208, AA928625, AA961793, AA973882, AA988170, AA992505, AI01437.9, AI094926, C06389, AA652227, AA654799, AA630056, AA705864, AA780574, AA782707, AA285325, AA890095, AA773549, AA990242, AA918464, AA960895, D19814, I25841, I25842, Z40951, Z45227, AD24228, AI307527, AI344273, AI345338, AI349794, AI349939, AI351068, AI345475, AI369411, AI199410, AI392985, AI433531, AI472570, AI399695, AI419106, AI479437, AI421364, AI187810, AI651014, AI333887, AI612005, AI866735, AI873834, AI186925, AI872563, AI811445, AI952169, AW00088, AW015812, AW074822, AW075175, AW151323, AW168991, AW196415, AW204055, AW256418, AW188908, AW303164, AW304598, and AW341319.	AL353942, AI517106, AL519158, BP969343, AU123953, BE274430, AL079359, AL516731, AU119388, AU137581, BG260794, BE729363, AU126169, BP968356, AI613467, BE891343, BB856952, AI380483, AV758159, AW139927, BG253821, BE561707, BF683254, BF025714, BP204435, BE535183, AW189984, BE615514, AW411390, AA843807, BG110117, AW130652, BF686761, BE251866, BG106071, BE866866, AP22394, BG100089, BG259064, AI201699, BE390849, BE879520, BE397528, AW511981, AI963633, BE856814, AI423945, BG031061, BE514238, BG254463, AW245885, BF797060, BE618666, BF240199, BE270714, BF237622, BE391206, BG251685, BG231965, BE735492, BF576343, BE543072, AW245627, BE874828, AI949356, AA528085, BG058617, BE542855, AA922069, BG058783, AW675410, AI676057, BE563941, BG110677, BE963465, AA586624, AW081836, BE258732, BE737235, AA578813, AW304104, AI687719, AA205408, AV693973, AA599128, AI829317, AW249959, BG167562, BF793110, BF312730, BG171677, BE537970, AA863168, W58256, AI332541, AW411391, BG179859, BE869765, BE391483, AA962825, AA192343, AA563661, AI610728, BE256347, BG149625, AA583073, W38880, BE788717, AI128002, AA862353, BE934961, AU157285, BE270231, BF126612, AI077779, BE265418, AA129387, BE408325, AU145745, AI094998, AI951183, AA868941, AI089484, AW591545, BF684418, BE397990, AW768554, BE729211, BF241282, BE866301, BE263533, BE392663, AW104917, BE793386, BF338208, BE270930, AW970516, BF794328, AI159843, AI361579, AW70205, W58431, AW007996, AI352387, BE222412, AA977387, AI922344, AW246226, AI359386, AI359440, AW007996, AA232540, AW950483, AI361670, BP970307, AI120366, AI300132, AL514702, AW009776, AI185747, AA282066, AA099319, AB939298, AD84003, AI809064, W69208, AI538039,

2111

HOPIG50	595	102358 4	1 - 999	AI347847, AI360787, AA857873, AI914583, AA033565, AA706674, AI090562, BF694057, W49575, BF576774, W49576, AA041281, AA825733, AA582604, AW369207, N44921, AI516732, BF211388, AA829176, AI216525, AI223103, N75874, AA250852, W80782, N67092, AA492241, AW468314, AI81441, T28341, AW969434, N77745, N22089, H07972, BE246524, AI620067, AA186457, AW148490, AW801407, BF031543, BG169455, BE542470, AA040441, C06185, AW801399, BE868505, AA341446, BG118148, AA494536, AA173419, AA676624, FI2095, W80889, AW80291, BF593986, AW801527, BF911401, BF203458, AA693327, AW801342, BE856296, BF696465, AA031301, BG120220, AL511877, AA188397, BE857682, AI570514, AA192561, BF478049, N80195, AI698070, AA150543, AI088285, AA192397, AA760823, BF125899, W69312, BE271025, BF818088, BE676342, BG252416, AA309585, M94083, L27706, AF068483, AI5920, Z31157, AC010627, AC010491, AB022159, T65278, T66047, T81137, R13961, R21090, W19464, W38486, AA031421, AA034466, AA040440, AA127935, AA186456, AA278281, AI359394, AI148584, AI149208, and AI796615.
			15 - 1013	AI818136, BE254699, BE394136, AI248736, AA128015, AA128058, BE740292, BE394007, AV751517, AA181138, AA946918, BE386619, BE384197, BF115774, AA505384, AI342431, BF663605, AA421550, BE383454, BE856060, BF238135, AW327294, BF975044, BG109613, BF306933, BF971761, BF796461, BF976338, F31091, BF205908, BG059331, BF594887, AW630281, BG031772, BG059327, AV703551, AA528669, AV758129, BF965194, BE901363, AA420717, F31092, BG059237, AA622408, AA482925, AA417254, AA635583, W68664, AA651658, AA314600, AW957853, AW957776, AA825612, BE254347, AA316648, W52650, AI348852, AA991834, AA505394, AI879569, AV758078, AA187998, AA186606, BE378595, BF664191, BG167921, BF792168, AA862109, AW772715, AA314556, N90275, BF204194, BE542238, BG059404, BE737373, BF664460, BF984965, AA307087, AA187537, BG110426, BG059284, BG059904, AA640483, W81029, BF691633, W96306, AA808869, BF973784, AA653801, AV757649, AV758634, BG111334, BF974782, F32467, AV757915, AV757505, BF217288, AA775298, BF203200, BE910168, BG027738, BG171050, W78682, AA420763, AI732576, AA225075, AA314013, BF033360, BE733420, AA187128, AI879186, BG033224, AA579430, BF664216, BE254952, AA654628, AA506547, F33074, BE382775, W45176, AV759520, AA838376, AI185905, BE972548, AA155975, AI147815, AI090379, AV710040, AA534263, AW440264, AI18519I, AI830011, BE382375, BE563028, BF128567, AW651774, AI336250, AA541346, AI199986, AI004885, BE718987, AI598223, BE256235, AA469285, AI817453, F25989, BF876006, AV28419, AW276069, AA643777, AI735264, AV761604, AI718714, AA157591, AA960763, AV755428, AW328418, AA524595, BF971668, BE386711, F28423, BF182680, AW006688, AI140252, AI131544, AA528681, AA844667, AI193088, BU72049, BE74551, CI4506, AA315116, AA181285, AI718105, AA659113, AA483568, F30622,

HDJAB04	596	1025858	1 - 448	15 - 462	AA147943, AI936281, AI074436, AI431978, BF229948, BE746138, AI570974, BGI68189, AA507479, CI5999, BF729994, BF976593, AW780081, BE514672, BE728052, BE744721, BE379420, AI302400, AA659642, AA991775, BE297049, BE390171, AA595613, AI749326, BE537906, BE275503, AA302294, CI4409, BE973930, AV756384, BF229946, F31208, AA935115, BF247412, AV712506, AV712900, AV712234, AW419243, AI218815, AA653868, AA229654, AA469365, F32353, AA608589, BF127574, AA643956, BF214496, AI973135, AI709111, AA961534, AI982992, H46476, AW340929, BF683252, AA838474, AV756272, BE889429, BE764897, AA147740, BG032569, BF083533, AW827337, AI609502, BE269928, AA492052, AA579354, L38941, AFI47334, AL021397, AC011494, AL136968, XI4401, AL450169, AL138696, AC005948, AC008626, AC024563, AFI09472, AL049714, A75356, AC005372, AF084363, AC003061, AC006597, AC004796, S76596, AB007181, T78324, I78704, AA705458, and AW273012. BE383454, AV758129, BG031772, BF691633, BF975044, BF971761, BG167921, AW327294, BG110613, BE740292, BGI10426, AV758078, AV703551, BF238155, BF796461, BG059327, BF506933, BF976638, BF203200, BF663605, BE901363, AW957853, AW957776, BF204194, BC027738, AI348852, F31091, BF965194, BF205908, BE254952, BG059331, BF975405, BE73373, F31092, BF664460, BF217288, AA187998, AW630281, BF664216, AA482925, AI879569, AV757915, W81029, BGI71050, AA420717, AA505384, BF594887, BG059237, BGI68189, AA314600, BG059404, AA528669, AW328419, AA946915, BF974782, AA82561, BF984965, AA316648, BE972548, BG033224, AA308869, W45176, AW727215, AA651658, AA314556, AV716040, AI735276, AV715517, BE254699, BE39400, BE386219, AA417254, BFI28567, AI36250, AI342431, BE384197, AW328418, AA622408, AAI81138, W52650, W68664, AA635583, AA991834, AA506547, AAI87537, AAI28015, BGI11334, BE254347, AA640483, W96306, AA524595, AA505394, AV758634, AAI86606, BF971668, AW651774, BF247412, BE973930, BG059284, AI879186, AV757649, BE378595, AA862109, BF976593, N90275, BE114672, AAI87128, AV759520, AA659642, AA737195, A30087, AA579430, AA643777, F32467, AA654628, F30074, AW082068, AV71290, AA534263, AA484856, AA653801, AV712234, AA469168, AA420763, AI090379, BE563028, AV761604, AA421550, AA775298, AA469285, AW419243, BE910168, AV755428, AV756384, N78682, AA225075, AA314013, BF033360, BE876006, BF92168, BE386711, CI5999, AI735264, BE394136, AA315116, BE382775, AI004885, AI185905, AW516214, BE393379, BE408834, BF663886, AA155975, BF664191, AA541346, AW006688, AA838376, AA507479, AA528681, AAI47815, AW440264, BF229948, BE746138, F25989, AI718105, BE382375, AI185191, AI83001I, BE379420, AI074436, AI19986, BE729994, AV712506, BG032569, AA483568, BE718987, AA844667, BE256235, F30622, AI98223, AI431978, AAI57591, AW340929, BE214496, ATI18714, AAI47943, A960763, AI140252, AI131544, AA659113, AA226596, F28423, BF297049, BE729049, BE745551, AI193088, AI749326, CI4506.

			1 - 1881	15 - 1895	
HVCAA38	597	1023632	AA181285, CI4409, AI302400, AI570974, AI936281, AW780081, CI4408, BE733420, AA229654, AA229788, AA991775, BE728052, BE744721, BF683252, BF127574, BF245968, BF675005, BF973784, AV741336, BE537906, BE275503, AA302294, BE542238, F20187, AV756272, AI982992, AI609502, BF229946, F31208, AA935155, BF211714, H46476, AA838474, AW827337, AA492052, AI709111, W38596, AA469365, F32253, AA608589, BF182680, AA643956, AA961534, AI973135, AA128058, BF127840, AA829205, AA501744, AW276969, AI721218, AA147740, AI924736, L38941, AF147334, AL021397, AC011494, AL450169, AL138696, AC005948, AL136968, XI4401, AC008626, AC024563, AL049714, AF109472, A75356, AC005372, AF084363, AC003061, AC004796, AC006597, S76596, and AB007181	AI188505, BF690148, BH026738, BE788073, BE889975, BE872049, AI435132, BE383746, BF308312, BG258166, BF694124, BE884481, BE408721, BF983315, BG117199, BE867529, BE883599, BG261272, BE547963, BE869321, BE781308, BE273912, BG120340, BE390408, BF701584, BE294796, BE254258, BE781562, BF572434, BE74910, BG166671, AI628151, BG107904, BE54291, BE513760, BF875036, BE899600, BE390388, BF573297, BF800744, AW576708, AW167495, BE737346, BG166882, BE537104, BF891446, BF691926, AI986317, BF032400, AI689319, BF978102, BE547697, BE311874, BF875033, BE251238, BF306345, AW474689, BE067396, AI818366, AA829547, AI890186, AI625627, AW406071, BF030190, AW660238, AI471529, BE729272, AI833672, AD64133, BE315337, AW602377, AI951259, AI453338, BF155219, AW194423, AV699660, AI742460, AI154203, BF735907, AW249669, BF103554, AI908534, BE926725, BF155217, BE84I013, AW630280, AI908533, AA845523, BE435454, BE841086, AI890009, BG099267, BF954773, BF057338, BF155213, AI041493, AW63691, BF574098, BF993745, AW749056, AA808803, AW514103, BF241085, BE841074, BF154859, BF993068, AV697408, BF993051, BF687628, BF673244, BF993053, AA535205, AI347034, AW996038, AI802621, AA330784, BF448502, AA160676, BF880126, N78245, BG036223, AI309723, BF818130, AA127400, AA143616, BF993729, AI401183, AI040598, AW001929, BF993069, BE090182, AA325821, AA835782, AI149464, BF453381, AI418509, AA587859, AA471078, AI926581, BE709522, AI745057, AI085482, BF377218, N30249, BF829811, N89709, BF744782, AI285420, AW196928, AA429190, BF744790, AA457742, AA315417, AI083846, AI922030, AA228297, AA927340, AW852051, AI278800, AW007617, AI923978, AA682618, AA812310, AI208833, BF993737, BF842137, AI348213, BE737299, BE709835, W31768, AA92491, AI282881, BE081442, BF878066, N53008, AV710099, AI445220, BF876057, AI80456, BF741906, AW513811, AW874017, AA888890, AV744592, BF746098, AA535214, AA526237, AI735616, AA473285, AA394240, BE294297, BE841103, AW796137, AW796022, BF993736, BF876043, AA541276, AI201802, AW273423, BF800720, AW769141, BE910281, BF044038, BF154866, BE694358, AA467948, AA484779, BF724294, AW377401, AW406805, BE926713, W58457, BF673512, N51721, BF155208,

HIBCN87	598	102383 7	1 - 1739	15 - 1753
			AL043219, AL528050, AW579882, AL528049, BF976767, BF337065, AW088366, AW95211, AA496850, BF525754, AW152013, BF672597, AW243555, BF779803, AI818186, H17775, AI653697, BE251084, RS4236, AU160697, AU150608, BE208597, AA496891, AI871013, AA428540, AA349190, AW249598, BF350791, AI701503, BE502287, T18883, AA202674, AU151739, AU152190, AW732070, AI376266, BE265052, AW139928, AI299710, AB88510, BE206965, AI658535, AW341396, AA912087, BF224111, AA694485, AA432221,	AW372118, BF992991, BF800699, H71793, BE933569, AW419096, AW073198, W17205, AAG13361, W69576, H71794, BF841845, AA158369, AA404515, AV653943, N75726, BF989698, BE541827, AI003698, BE220510, BF749930, AA577293, W38304, AW744781, BF378465, AI206469, F22844, AW020443, W58512, AA555214, AA531467, BF744732, AA564445, AA922078, AW662546, X55543, 293930, M31627, L13850, AF027963, AB036745, AB030238, AC008536, T47295, T55854, T55876, T55905, T62965, T63216, T78000, T78161, R13939, R65740, R65741, R70117, R70118, R7432, R80243, H206330, H24377, H25195, R91892, R92729, R97661, R97662, H48489, H48656, H66152, H66570, H68985, H70940, H71028, H84191, H84470, H84471, H88955, H89038, H89880, N35349, N44717, N57146, N59784, N70460, W04686, W44850, W56854, W60360, W69917, W90128, AA03223, AA03281, AA035000, AA05561, AA054352, AA054434, AA074216, AA074300, AA102695, AA127399, AA148148, AA158368, AA179398, AA182713, AA224891, AA224968, AA468390, AA468429, AA469421, AA480365, AA492053, AA492194, AA508869, AA513666, AA533652, AA553965, AA600920, AA612582, AA570770, AA576001, AA579337, AA729011, AA729315, AA738114, AA745515, AA765605, AA825176, AA876654, AA878666, AA879081, AA888135, AA903693, AA911292, AA937069, AA936198, AA937627, AA947771, AA995422, AA995627, AA946199, AA999799, AA975808, D82140, D82222, AA092622, AA292404, D11831, AA665787, AA772244, AA779305, AA844806, AA845049, AA854162, AA854907, AA921363, AI039414, AI051873, AI051039, T10979, F02109, F05867, AA702299, AI270042, AI270738, AI282936, AI288784, AI299174, AI339997, AI355804, AI359077, AI363999, AI472628, AI473452, AI475412, AI468198, AI499577, AI500646, AI540429, AI560170, AI560849, AI564474, AI564611, AI565465, AI565589, AI567015, AI128936, AI143294, AI160633, AI624183, AI624756, AI625145, AI627458, AI183510, AI191352, AI214393, AI247473, AI539073, AI312856, AI634605, AI683601, AI683628, AI683898, AI686855, AI687603, AI687897, AI693025, AI758796, AI758814, AI697469, AI798395, AI824409, AI858483, AI828571, AI865028, AI868056, AI889445, AI889485, AI889633, AI913471, AI814008, AI920889, AI925654, AI950916, AI951279, AI961501, AI961560, AW007626, AW007964, AW080601, AW026722, AW027665, AW027673, AW149198, AW151023, AW167305, AW235506, AW242033, AW263014, AW272826, AW188901, AW189396, AW192626, AW439229, AW440473, AW468595, AW470110, and AW474573.

2115

| HPCOM04 | 599 | 10240 0 | 1 - 1342 | 15 - 1356 | H15962, AI887614, T33286, H17658, I70417, BF796844, BE781492, AI571236, Z42914, AI299136, R56443, BE799943, BF447447, BE207026, R51367, AI367595, AI420610, AI825055, AA928620, T70333, AI681192, AI499499, AI197972, AA664995, BE045622, AI961711, AI184815, AA888827, AA768736, AI659770, AA292170, AI38439, AI888009, R51842, AA973896, AW470342, R51471, AI91517i, AI989713, BF802487, AI275745, AI934660, Z39039, BE790546, AU143415, AA634437, BF916287, AW137356, AA350162, F04023, AI762348, AI253211, BE796050, BF087964, BE779508, AI824874, AU127725, AA339597, AW007750, AI006264, AK001435, and AI136295. AU137948, BE732925, BF690153, BG110479, AI880007, BG117063, BE73724i, AI096638, BF689592, BG011671, BF689927, BF981348, BE789262, AA650380, AI937557, AI375969, BE311932, BE732718, BE875564, BF796717, BG249034, AW993276, AI935882, AI827325, BF195642, AU138244, BF978329, BF901225, BF724224, BF663157, AU138853, BG167961, BF983160, AI565049, BF675056, BE735148, BE208441, AW007269, AW474581, AI811416, AW512490, BE537152, AI894457, BE908038, BE390978, AV714928, AI815707, BF035422, BF690746, AI872419, BE564792, AW261937, AW249280, AI954589, BE328621, AA167716, AI986422, AI610874, AI690554, AW027298, AA482429, AI859711, BE617557, BE268777, BF666984, BF316279, AI192096, AI125655, BE268146, BE566350, AA604148, AW872854, AA482577, AW731873, BF796473, BF976779, BE266210, BF969151, BF977031, BF037315, BE884588, AI445958, AI241239, BF217023, BF690500, AI205151, AW891146, BF968322, AA430465, BG249419, AI452854, BF211136, AI244306, BF036610, BE276002, AW406099, N97040, BE833837, AI313126, BF978341, AI984578, N25097, BE075030, AA209261, AA577325, BE617037, AW129083, BE294126, BE358487, AW24858, AI423388, BF891011, A631249, AA825989, AI346456, AI754793, N34759, AW951724, AA721967, AA025017, AA167690, AA186691, BF572132, AI033032, AI199653, AA410785, AW624834, AW961228, AA223182, AW383561, AW130110, AA993544, AH43241, AA31566i, AI14604, BF852967, AI146690, AV264131, AA402640, AW804839, AI581297, BF572484, BF214530, N44487, AW406480, AI292835, AA729986, N54517, BE294000, AA651890, AI929680, AA743236, AI200938, AI189043, AA630021, AI370316, AI34449, AI09692, BE266835, AU123048, W79435, AW238534, AI657984, AA916902, BF944514, AA223181, AA814339, AA908742, AA326149, AA402678, AV735139, AA676363, AA903484, N74250, AI028429, BF972395, AW028466, AI310990, AA210855, AI922260, AI042267, AW803870, AU157781, W01225, AA316640, AA281248, AI076387, AI816978, AA991151, BE122790, AI95258, H82713, BF733507, AW605416, AA969774, AA417613, BF851576, AA160587, BE383550, N26274, AA047620, AW8589, N26413, AI871982, AA281282, N33470, AA047631, BE714780, AA747812, F06434, AA435943, AA308893, AI83581, AU157386, BE710321, BF081680, AA308293, FE2883, F02720, W35102, AA30893, I18381, AU157386, BE710321, BF081680, AA308293, AV750796, AA312134, N76220, BF445687, N94006, AA380998, AI088314, BF055957, |

HUCPU06	600	102406 9	1 - 595	15 - 609	C14126, AA326148, BF088513, F31166, F07549, AA419619, AW794538, BF958887, AW407103, H23779, BF378274, F37037, R11089, H46474, H80744, AA324971, AA760640, X76228, X71491, AC007666, I03244, AC000052, U13841, AC006447, AC006404, AC004019, AC008639, AC006285, AC005745, T39773, T92743, T92823, R11039, R26845, R27074, R28563, R30929, R30968, R43304, H80745, H92254, H92291, H96836, H99581, H99582, N33930, N57383, W20369, W39348, W57566, W79336, W88588, AA025016, AA063051, AA063125, AA179265, AA182704, AA186690, AA235400, AA470721, AA480327, AA534792, AA534812, AA662433, AA733338, AA873381, L48829, AA722508, Z21590, D19690, F01892, F02081, F05631, F05834, F03787, F04732, F07642, F08517, AI363770, AI625707, AI217553, AI590006, AI818932, AI865372, AI869423, AW025618, and AW467872.
HPAME01	601	102432	1 - 1440	15 - 1454	AL52138, AI817797, BF591323, AI559256, BF056383, AW97410, W72957, AA811503, AA760845, AI089836, AI674666, BF434883, AB12117, AI671353, AI419476, AA812245, T48877, AW169965, BF112033, AI580681, AA721145, AI811882, AA765055, AA732423, AI864632, AW002193, AI424549, BE932108, BE932117, AA383587, BF589530, AW129622, T48878, W68575, AI401136, AW235778, AF083110, AI441883, and AK000355. AL040438, BE262712, AU123643, BE798924, AU143022, BG164610, BE787475, BE735652, BG254114, BF315064, BE548296, BG025483, AW043583, BF037500, AU148999, AW517244, A017434, AI768112, AW965752, AA047010, BG057666, BE326718, BE840788, AI765202, AU152678, AA046839, BE886667, BE799653, BE873222, AI123786, BE206421, AI568134, W87554, AW007334, AW168272, W87458, AA039966, AI057398, AA649997, AI563942, AA039881, AW615376, AI702051, AI632460, R60577, AI382155, BG056987, BE884461, BF036417, W76508, AW102774, AI805104, T17221, AI582553, AI280130, AI521797, AI146735, BG055800, Z45024, AA029772, W71094, BE888112, H10997, R60630, R71392, AW590867, H06328, AW405412, T79990, AA865941, BE797440, H26530, H06281, AA310656, R72562, R46835, BE646122, R25837, BE671795, AW590690, BF059221, R53484, AI417500, BF437704, AA06971, BE463599, AA776517, AA069563, AW000661, AW771994, AI784405, R16372, AI078071, AA705373, AE245359, BE617310, AI624303, AA029771, AA799004, R32657, AI983105, Z40755, BE962199, BE729964, BG027348, AA057673, AA252160, R42317, AW105627, AI813991, BE61799, R53485, BF514051, AU125314, AH75001, BE562858, AA359216, AK025491, AL031447, AK001599, AF052158, AL109978, and AF086370.
HTTIS76	602	102447 2	1 - 3008	15 - 3022	AU118623, AI523820, AI520683, AI520684, AU123813, AU132757, BG261175, AU136445, BF035325, BE886876, BF791811, AU140005, BF577027, AI770169, AA534741, AI031962, AW264176, AI633666, AW960637, AU154227, AA400200, BF248362, BE543836, AU145138, AI128021, AA418100, BF337497, BF445849, AA418003, W92114, AV727247, BG169934, AI601276, AI271884, AW958009, AA603027, BF735235, AI128480, AI352141, AA989285, and AF086370.

| HCOR157 | 603 | 10455 6 | 1 - 1699 | 15 - 1713 | N33438, AA758632, AI719696, AAG26711, AW169051, AI367058, AI807645, AA025147, AI683459, AI418307, N27453, BE709892, AI801307, W73531, AI473939, AI393527, N27526, AI086555, BE044047, H98611, N40343, AI653277, AI45726, AI267316, AI800443, AI440207, N23059, N24304, AI149146, AAG39478, AI673797, AI241204, AA169836, AA927390, N70474, AA437065, AV645472, AI037903, AI620950, BG170200, AI025766, AW105671, AI037991, AI355861, AI816981, W92034, AI033936, AI537160, N36939, R59331, N34742, BE467926, AA234708, AV728508, N42636, N49175, R59330, AI351986, N34978, AA513140, AA169656, BE090132, AA423958, N41497, AI299478, AI023063, AA910291, AI264740, M78346, N62321, AA911195, N30733, BF088943, AA336071, AA025130, R67869, T87946, AI267563, H04320, N71038, W73254, Z38548, H22037, H22114, AI215549, R21186, AW384814, H63943, N28724, R35013, D62528, AA644251, AI384985, Z41971, N42412, AW44004I, H63664, R22804, D79857, H98733, AA515858, AA234777, Z42315, F01492, W01936, AU79112, R49401, N50229, BF433427, N41346, BF251260, H89141, BF348319, R82508, T30380, AA025146, H04362, DR1424, AA558318, BE56628I, R82564, AV693130, AV683210, AI20430, BE782752, BE566731, AA025129, AA047023, BF816685, AA669055, AC006333, AK023554, D88460, E15468, D67066, E15749, D88461, and E15469. AL518234, AL517420, AL518235, AL517421, AU119983, BE798338, BG112454, AV707371, BG26053I, AU127995, AI189917, AI921102, BF978880, BF669190, AI84458, BF027153, AW338093, BE466119, AW953727, BF979160, AU139989, BF978466, BE783488, AI183447, AI954430, BF791557, BF978243, BF025817, AV261922, BF978088, BF107349, BE075024, DE778589, AI680398, BF673817, BF978523, BF978407, BF701537, BE566570, AI768673, AI201541, BG163251, AI304397, AV183634, BF571803, AL038118, AW130034, BG170433, BE175735, BF515534, BG004699, AU150344, AI183432, BF732458, BE785549, AI792331, AI689697, BF691267, BF691829, AI79274, AU129140, BF977366, BF793882, AI743234, AA209379, BF667452, BF691937, AU134136, BF692573, BE350861, BF509852, AI731487, AW993769, BF515273, W58689, BF675402, AW338336, AI09120I, BE565598, BF940666, AI45388, AI564223, AI36469, AW022986, AW951400, BF382040, AW044585, AI334655, BF977189, AI08794I, W16647, BE440085, BF978269, AI94779, AW439739, BF977224, C17665, BF691699, AW589843, BF086829, AI962856, AW993713, BE813383, AA635975, T41075, N67348, AA669436, BF205542, BE840232, T42008, N55699, C01780, AW969659, W58688, BF691679, H13469, AA501438, AW627340, N88239, BG163724, AI753097, BF204700, BE837968, N88012, BE819566, BF957218, D59346, C04830, N99580, BF990912, R58442, BE009393, N66008, AI963279, AV018858, BF990569, BF691146, AA129069, AA371029, H13424, AI671008, AW00997, BG004453, N56423, BF977062, BF570803, AW270948, BF925478, AW235551, BF571561, AA095713, A247163, BF573202, BF977815, BF572251, AA936152, BF057702, BF752392, BE930777, BF570501, AW135218, U42349, AC010656, U42360, U42350, AF028729, U42351, U42353, U42354, U42352. |

					U42355, U42358, U42357, and U42356.
HNORGSO	604	102462 4	1 - 1157	15 - 1171	BB744178, BE274321, BE313106, BE383671, BF563514, BE729652, BF740352, BG033978, BG248360, BG032741, BE740670, AU143525, BE561127, BF797790, BG030442, BE561020, BE730835, BE906091, BE906073, BG171111, AU137074, BE906894, BF976287, BE614779, BE877114, BE621312, BE410930, BE729750, BE383811, BG121217, BE274828, BE878559, BE736250, BE376253, AU118656, BE873184, BE740478, BE729020, BE870278, BE886605, BG259525, BF568720, BF182843, BG030735, BE743905, BE384736, BE744974, BE785383, BE736709, BE315359, BE559615, BF036929, BE867220, BG107350, BE908625, BE409723, BE616118, BE531092, BE736597, AW327703, BE729933, BE278823, BE389962, BG252505, BF689550, BE616384, BE262915, BE410691, BE389939, BE890286, BF238327, BE616723, BE788260, BF063061, BG029991, BE744117, BE384405, BE908785, BE870545, BE277841, AU133699, BE515026, BE886386, BE409396, BE273765, BF212230, BE276648, BE389919, BF974204, BE383570, BE615887, BG033105, BE560756, AW250667, BF797079, BE539212, BE513613, BE391831, BE128555, BE389726, BE871397, BG104348, BE90991, BE732264, BF083422, BE272661, BG253908, BE314739, BE836355, BF568586, AW327257, BF883038, BE743548, BE278548, BF983034, BE736466, AA099088, AA847772, BE281113, AW608542, BE897803, BE743161, BF691722, BG031727, BE383355, BF646814, AI400852, BE387506, BG029429, AW391940, BE786826, AA306535, AA313239, BE730161, BE398090, AA313598, BF883032, BF027492, BG025488, BE388937, BF883042, BE551290, BF026410, AI348645, BE727300, BG169283, BF132799, BE904932, AW250243, AW328045, BF250525, BF690448, BE730155, BF664368, BE733678, BF883031, AW370711, BE389451, BE389183, AW631424, BE410538, BE868184, AA164730, BE278733, AI858094, AA115777, AA143640, BE018203, H59967, BE892674, AA113994, AA118178, AA806221, H04516, AW379616, AA188179, AA159238, AA086017, BE742544, BE894182, BE392495, R89275, AA045772, BG163664, BE383835, AA150609, AA099971, BG168643, AI797883, BF976737, AA113833, AV695868, AI768321, R55212, AA160851, BG181134, AW753475, AW407155, H69905, AA156208, AA356777, BF916225, AA326070, R34654, BF378574, AW844925, AA160718, A912606, BF374376, BF027187, AA150559, BF755368, AW861420, BF646387, AI401625, T74087, AF006084, AY007111, AF162768, AF083269, AC004922, AA031433, AA055673, AA055572, AA076544, AA158655, AA156347, D30865, and F08420.
HWLVR07	605	102491 5	1 - 830	15 - 844	AR880659, AW188624, BF23771, BF667977, BE396709, BF130990, AI148106, AI991245, AI735002, AI700215, AI688209, AA62851, BE888689, AI813679, AV717668, BE277177, AV760867, W44688, AV762734, BE277509, AW955488, AV761533, BF026034, AV710618, BF971181, BF306800, AV958877, AA190982, AI612840, AV756769, AV756558, AW350078, AV762499, AW975063, BF971602, AA099703, AV701025, AI218297, BF114896, BF527622, BE257844, AV763969, BG059296, AV762924, AW156893, AI929203, AI929416, W70100, AI937913, AI879643, AW162217, AW157724, BE907116, AW157680, BE208057, AU080578.

AW156973, BF185299, BE048274, AW068829, AA308546, AW160392, AA305909,
AI004923, AW157090, AV736635, AV762182, AV764121, AV760570, AI042255, F20837,
AW087100, AV703106, AI818088, C16701, BF213628, BE274547, BE900218, AI315102,
AA558231, BE263373, BE676997, AV755789, AA603376, AA533150, AI929716, AA306384,
F19264, AV701482, AA305024, AI928949, AI929458, AV763641, AW163658, AI284407,
AI879261, AI797882, AV760470, AW161439, AV661009, AI879102, AW163676, BE674961,
AA312837, BE973355, F27426, AI816107, AI815607, AA635409, AI929159, AA969828,
AV762829, AI741580, BF033010, F28430, BF103857, AV738333, BF027120, AI283754,
AW051532, C15041, AA467847, BH336835, BF031633, AA582173, AA551986, F34246,
AA593697, AA514368, AA504055, BF663951, AA315107, AA557858, BG231080, AA429825,
BG231242, F21803, BG231063, AA627106, AW161950, AI823156, AA747217, AA099379,
AA703668, AA534268, AA102518, AI818276, AA912491, AI266214, AI302226, AA570027,
AA578143, AW162077, AA806144, AA323344, AA316386, AA813296, AI749165,
AW779261, F22538, F27125, AA578344, AA569705, H25809, BF924001, AA316519,
AA314733, AI051783, AA316902, AI589583, BE388434, AI418019, AA552195, AV704862,
F28354, AA553775, AA314832, BE389397, AA923442, AA857416, AA729466, AA305425,
BE294905, BE276613, AA658158, AA953744, AI051574, AA182966, AA582239, BG231145,
AA362481, F25970, AA595326, AA302481, AA541672, AA970629, AA836780, AA382399,
AW651667, BE932235, AA954461, AA994774, F24635, AI383381, W44689, AI815885,
BE710307, AA358548, C14962, AA358129, BF056136, AI347797, AI816148, AI289069,
AA659394, AI541451, T58704, AA552593, AV739097, F35973, BE932212, BG170015,
BG230699, AW162742, AA143324, AA868034, AA309890, F27230, F19236, R50158,
AA302037, AA894893, BG150794, AA305293, AI339429, F16378, BF679364, AA482870,
AA353710, AA070860, AA112167, F35969, AA385897, AA457416, AA471424, AA126459, AI476367,
AI547077, AA559162, BF592519, AF077043, AL050273, AC007160, AC004884, AL133230,
X75895, AC003071, A74819, AF059309, AL157480, AR029580, A91160, AK026533,
AFI16688, AFI16631, AFI13222, S68736, AF225424, AL049276, U77594, AL133049,
A57389, AFI18031, AL137488, AFI16644, AF070632, AK024974, U80742, AJ250403,
AK000432, AL137547, AL049324, AK025541, AL110222, AF056191, AL080110, AK000618,
AF217987, AFI80525, AI8910, AA026647, U89906, D44497, S69510, 148978, AK026746,
AF039138, AF039137, AFI06934, AFI11112, X76228, AFI32730, AK025113, AL389951,
AK068466, AX046716, AF047443, AL122098, AFI9843, AL137533, AL137526, S36676,
U57352, AI8911, AI8777, AI8909, AL133054, AR038969, AL355713, S77771, AC010081,
AK026651, AI8908, AB047887, AFI11849, AFI06657, AL025718, A9I162, AFI06862,
AJ012755, AF267994, AK027114, AF218014, AF203473, AK025209, 109499, AR03482I,
AC009953, AFI13694, AFI16639, U67738, AK026744, AFI16654, A08913, AL137284,
AFI82215, X72889, AL137557, AFI51109, AK025484, A08912, X98834, AL137476, S61953,

Name			1-1153	15-1167	Accessions (1-1153)	Accessions (15-1167)
HOPKF60	606	102504 7	1-1153	15-1167	AK026592, AL050208, U67958, AF065135, AF205861, AF217991, I32738, AL389935, U67813, A08907, AL122049, AF119875, AF030165, AK025632, AL162062, AL110225, AB047627, AL137705, S76508, AX026824, AX026823, A58853, Z49258, AK024538, AL390167, Y16258, Y16256, A07588, AL122050, AB047897, AL359600, AL130100, AL133624, AF155221, AK027188, AK025465, X93495, AK037096, AF057299, AL355701, AK000344, AL117648, AK025208, L10353, L13297, AK027096, AK026597, AK027161, AF217994, AK000655, AX020124, AL050116, AL080137, AC010137, AL080086, I89931, AB016226, AR083266, AB047248, AK026374, AB050411, AK026626, AB047941, AK024747, AB047869, AF059612, AF090901, AL137521, AI005690, AL157433, AF130102, I89934, AC026431, AL080124, AF155148, U75932, AR087170, A21103, AF119337, X66871, A65340, AR02823, AF204760, L40363, AK025414, AB052176, AK027146, AK025431, AK000753, AL122100, AK000435, U87620, AL137256, S83440, AR004162, AL080126, AK000647, AX026855, AR038854, AL022147, AF169154, AL137273, AF067790, AR013797, X66862, AX024594, AF118070, AL137478, AF054986, AK026590, AP054988, AL137271, AF119909, EI2580, AB040710, AB04763I, AF17401, AL157431, AL442082, AL096720, AF192401, AF192402, AC007282, AF078844, AL9365B, AL133067, AF118094, AF036941, AB050410, AK026642, X80340, X08450, R16804, AA563598, and AW139007	AL522806, AL530716, AL524869, AL514554, AL522807, AL528660, BE744476, AL324868, BE795215, AL530715, AL523494, BE746558, BE515281, BE732657, BF026691, BE562270, BE794244, BE614715, BE796153, AL523895, BF342150, BE563218, BE795209, BE799700, BE792917, BE619480, BF12162, BE271742, BE793871, BE561217, BE797758, BE347395, BE729940, AL528659, BE792758, BE791304, BE737213, BG120307, BE619803, BF317146, BF338124, AW170427, BE797844, BE889282, BF975387, AI085365, BG250716, BE901025, BG025112, BE873025, BE615263, BG034888, BE792059, BG254776, BE546203, BE559492, BG02030, BE743855, BF036116, BE793590, BF686394, BG122718, BE902113, BG034948, BE781511, BF127707, BF526475, BE512980, BG120775, BF311006, BE731573, BE619277, BE270019, BF684500, AI680336, BE745659, BE743493, BF115664, BE280108, BG165341, BE280395, BF973317, BG178740, BE514708, AW170278, BE879370, AW16363I, AA843221, BG030875, BE732891, BF975820, BE732780, BE883748, BF697912, BE295042, AW157317, BE903040, BE336716, BE727286, BE791688, BE875650, BE260624, BE794044, AW16373, BE561670, BE272733, BE396802, BF316171, BF317100, BG100562, BE883648, AK824336, BE256051, BG269078, AI102786, BF344436, AL528994, BE902919, BE260595, BG118678, BE788586, BE270049, BE302709, AW732756, BE619990, AA522285, AW240027, BE385288, BE396967, AA933089, BE674906, BE408276, BE408481, AW673443, BE268753, BE314775, BF308951, AI591067, AA779812, AA265564, AI073973, BE397633, BE383129, BG226109, BG167939, A027987, BF692078, BF345293, AA512937, BE267414, AI992135, AI357176,

HBDAD74	607	102510 2	1 - 1398	AI928891, BF341817, BF435054, AI891047, BE903013, AW675768, BG030953, BF037949, AA577581, BE252457, AI027989, AA643152, BF685218, AII85759, BE731624, AW161746, BG056537, AW327969, AI923284, AI580036, BE267790, AI951177, AI631081, BE779130, AI568168, BE208683, BE292876, AW166779, AI929140, AA459096, AA813071, AA722354, AI887538, AI031764, AA480057, AA458901, AA102451, AI372093, AA523194, AW175934, BE386586, AA976926, AA974441, AA968695, BF215646, AA148225, AI986389, AW961319, AA417257, BE268756, AW166293, AI857843, AI245211, AI276716, AW574602, AI073857, AI138933, BF244323, AA41716, AI252636, AA397788, AW405849, AW161139, AW327970, AW515933, AI083704, AZ08491, AW160329, AI280897, AA595784, AA587354, AI538971, AA907137, AI520873, AA862399, AA580420, AA410871, AA776511, N24774, BF303729, AW473720, AA166670, BG059730, AA410870, AA860537, AA312499, BE899315, AI751720, AA205346, AA497015, AI751721, AI924241, AA458542, AA771950, AW148600, AA312712, AA143411, W95353, AI131182, AR033742, AI249366, X76980, AC005197, AB042117, Z32554, AB039837, AX011613, AC002985, U89427, AK02303, T96449, R36056, R36058, R76352, H13390, H14662, H17586, N32793, AA148224, AA156391, AA15958, AA164777, AA634997, and AA283289.
			15 - 1412	BE736801, BF969590, BFI06136, AA625524, AUI21352, BE897109, AA043108, AUI45998, BF033072, AI936576, BF376388, AI801002, AUI47185, BF439149, BG05473, AW269599, AW61I722, AW952922, AW30I615, BFI97125, AI459912, AA926686, AW467409, BE077028, AA483845, AI093893, AA278828, AI659015, BF376386, AA538242, AW058479, AA487243, AA809385, BF091565, T03425, AV643362, D52837, AL043290, AA60968I, AI250181, AA811075, AA772712, AW771863, AW090763, AU117211, AA731830, AA922247, F08952, T32447, I83659, AA731456, AA833650, Z30140, AA278826, D56794, AA09843, D57988, T99109, BF969193, N43955, BE220184, AI298948, BE784156, BF576720, D57308, T86662, AW341298, AA962369, AW935658, AA508234, AW402414, AB01566, and AK02I890.
HPCTY12	608	102523 1	1 - 1832	BE793649, BF971197, BE795708, BE263381, BE746308, BGI10568, BE389356, BE797452, BE745259, BG257094, AW136364, BE294558, BE466733, BE514731, AW512259, AI333322, AA809127, BE300827, BFI31512, BG258996, AW167047, AI283089, W87879, AW675811, AW418601, AU149253, AI802251, AI885862, AW181883, AW769136, AI969152, AW624794, AI823472, AA494276, AW379444, AW189438, AA115381, AA278225, BE768392, AA115380, AU125640, AW839959, AW058036, BFI09114, BE535699, AW275265, AW731809, AA559688, AI283087, AI002252, BF031735, BE208171, AA679712, AW089758, AA696514, BE794062, AA85383, BE791318, AA853284, BF754628, TI6124, BE074565, AI446312, BF361357, AI468188, BE464592, AW888974, AW373076, AI417732, AW386230, AW134955, AW386248, BF091908, AW373100, AW386251, BE514198, BE208475, AW372712, AW386250, AW386279, BF927794, AW372691, AW372725, BE314800, BEI70974,
			15 - 1846	

HFASPI2	609	102532 7	1 - 580	AW840009, BF361354, AW386246, AW793239, AW277013, AW386226, AW151342, AW382754, AW749244, AW383534, AI887884, AW372690, AW793182, AW383548, AW383633, BF310492, BF081796, AW372727, AW372711, AW382661, BE265396, BE397479, BF525638, BF664199, AP098162, AK022702, AK000721, and AR015597.
			15 - 594	W74437, W44568, AA902397, AV707142, AI718987, AW006030, AW069861, AI937375, BF195175, AI376862, AI129529, AI140429, AI360987, W94766, AI080273, AI143504, W95201, AI313416, AA992722, AI042534, AA617676, W79083, AI613484, AI015213, AI368370, AA534987, AI721088, AI468012, AI077643, N77202, AA668329, AA551878, AI589098, W44607, AA447654, AA932704, AI640396, AI810026, I94600, AI370686, N55012, BF792740, AA428210, AI361190, AA909835, CO1634, AA88891, AA584756, AV762430, AV656063, AI039089, R29238, AV762454, AI753113, BF589770, Z85986, AC006064, AC005102, Z83840, AC002504, AC011479, AI031681, AC012384, AC004834, AC008569, AC006511, AI035249, AP000031, AC008267, AP002005, AF238380, AC002425, AC004867, AP001711, AI035685, Z95115, AI161936, Z97985, AC009731, AI035407, AC004878, AC020904, AP000350, AC005098, AL096701, AC005156, AP000008, AC008044, AL022316, AC004166, AC007021, AC005488, AC022392, AC005089, AF006752, AC016543, AC009123, AC005332, AC008585, AC007425, AF001549, AC003962, AC004966, AC005072, AC004965, AC005015, AC004099, AC004906, AC012076, AC005071, AC011475, AI159977, AL163285, AC004216, AC005399, AL137012, AC018764, AL132653, AF190464, AC010271, AC008745, AC006080, AC004663, AL035086, AP001748, AC004826, AC004971, Z84466, AC005081, AC008474, AC011895, AC003010, AC005921, AC005581, U91326, AL121754, AC022517, Z95114, AC008155, AC002059, AP001435, AL138759, AF001548, AC011491, AC024239, AC006449, AP001753, U95742, AC002404, AL136137, AC002351, AC006241, Y10196, AC005815, AJ003147, AC007868, AC005288, AC006077, AC007182, AC073316, AC007957, AC007664, AC002477, AC007216, AC010618, AL109613, AC005592, AC005486, AL024474, AP000704, AC008750, AL031848, X54486, AC005103, AC005876, AL049843, AC011248, AL136097, AL034380, AF196972, AC002996, AC007956, AF047825, AL109935, AC005158, AC016830, AL162615, AP001631, AL162578, AC002302, Z95116, AP001727, AC004876, AC004859, Z95152, AL033524, AC005666, AL139552, AC002550, AC002565, AC004638, AC007597, AC000082, AL078581, AL121891, AC005971, AC006530, AC002544, AL049760, AC008784, AP000556, AP000557, AL049830, AC009363, AC004020, AC011495, AC004987, AP000552, AL109824, AC005323, AC011469, AC004703, AC006948, AL033376, AL033529, AF001550, AP001712, AP001725, AL442166, AC007684, AC002126, AC020906, AA946863, AI338775, and AW193385.
HLIBM71	610	102535 9	1 - 894	
			15 - 908	BG250974, BG029102, BE277201, BI572840, BG254454, BG024609, BE410373, BE392289, AI149096, BE409096, BF031284, AW963265, AW073167, BF316784, BF668400, BE747510, AW955218, BE276878, BE256069, AA446733, BG180464, AW163381, AW160356.

HNOKW27	611	102536 6	1 - 1957	15 - 1971	BE868544, BE788936, AI802417, AI597689, AI590638, AI498875, AV702493, AW088684, AA643746, AA446604, N40491, AI217779, AW952371, AA766884, AA324703, AI147433, AW082218, F29109, AI083941, AV706095, TS5920, AA057122, H3044, AH9098, AA804336, N29950, AA852754, T54472, AA852753, BE162155, AI474387, T24500, BE162159, T54424, AW806448, AW10576, AA552761, BF525391, BF963561, T59739, AA305172, AA836475, AW967135, AA339266, BF091317, AA233545, AA371850, BG028806, AA094599, AF110776, AI390135, AB037752, and 279942.
					AL521068, AL522884, AL530162, AL524040, W37955, AW770554, BE644886, BE840625, AW452820, BE265669, AW96332, AL522885, AL521069, AI292078, BF110047, W56568, K32296, W56790, AL530163, T74226, BE220807, BE465059, AI763199, AW204769, AW75090, F10108, F12489, BF924472, AW136225, BF311074, R54461, T81424, AA324731, AW177463, AW177477, AW177471, AW177489, AA362902, AW75092, AW752100, T89091, AA323246, W37895, BF330968, BF312880, T99457, BF316850, BF315145, T81423, BF314658, T98861, BF314083, AI392731, AA366045, BF058456, BF312070, BF512287, BF315583, BE169944, BF304354, BF757470, AW16533, and BE260401.
HPFDG48	612	102552 6	1 - 711	15 - 725	AI005650, AW193649, T86155, R91705, R94928, T86262, R92142, T78655, BG059124, BG059311, T79120, BG105372, BE903730, F32795, AI086235, AI304866, AI094698, AA894578, AI268640, AI081163, BE856894, AI380568, R12395, BG031198, AI708047, AI358636, AI216820, AI142089, AI684336, AA804193, AA552494, AA687862, AA507473, AA879115, AA279014, AA513429, AI571415, AA018417, AI971055, AI051704, AI937021, AA099438, AI494389, AI493513, AA948053, AA581118, AI184757, AA100071, BE731794, AI879919, AI085722, AI536966, AI591039, BF124917, AI830888, AI334931, AW080928, BE274775, BE902881, BF125296, BE281210, AA595467, BE392996, R71239, BE268783, R96465, F37009, BF818912, AA401736, AA687524, AA654076, AI620153, F21367, AA292902, AF004164, AA316678, BF845471, BE694933, BF433106, AW166722, AI866691, AI859464, BE047798, AI554343, AI521799, AI589947, AA713511, AW082623, BG110241, AI918554, AW151979, AW006947, AI889379, AI049669, AV750565, AL042191, AW163834, BF791871, AI345415, AA580663, AI690813, AW194014, BF814360, AI690948, AI866465, AI560227, AA713851, AI623941, AI801325, BE965064, BE536058, AW083804, AI623648, AW263569, BE393551, AI499986, AW055252, AW263804, AI627714, AI688854, AA761557, BF883591, W48671, AI241763, AI500523, AW088605, AI433611, AW025279, BI925370, AI491710, AI859644, AI658566, BE879772, AI023513, AI860027, AI648659, AI285439, AI099906, AI919600, AI334893, AI699020, AA479803, BF339548, AI471429, AI636507, AA752270, AI582922, AI305157, N99092, AW169784, AW27211, BG168185, AA776730, BE964497, AI445505, AI440422, AI680504, AI313032, AW021373, AA693444, AA514684, BE875959, AW081343, AI872472, AI872489, AI887381, AI761608, AA827630, AV721917, AV732941, AI310332, AI78I214, BG029058, AI818565, AI868931, AL037602, AW084233.

AB049510, AI500061, AI819016, BF812963, BG257721, BG001293, AI687689, BE790023,
AI559596, AI624293, AI572717, BE541445, BF750886, AA604875, F26535, AL037582,
W45039, AW003866, AA449768, AA468873, AA590043, AI688448, AW020932, AW070710,
BE909551, BF673434, AW166638, AW195253, N75779, AI869377, AI524654, BF753037,
AI309306, R66759, AI310575, AA830396, DG171779, BE962830, AI559752, AI310582,
ALO42753, AW020693, AI355779, AI581033, BE887861, AI340533, AI819976, AW168708,
AI926693, AI818980, AI263584, AI597748, AI583563, AI621341, AI584204, BF909758,
BF337602, BI921291, BF751997, AI96305B, AA693331, AI312210, AW020095, AW089293,
AV707425, R20540, AI453248, AI863411, BE313809, AW075382, BG034500, BF811802,
AW080076, ALO09172, AB016194, AF083241, AF083242, AF092737, I76234, AF092738,
A012755, AK027148, U67958, AX047644, AFI1664, ALI37705, AB050553, AL389951,
ALO50393, I89947, AFI5221, AL389935, AR03854, AK026865, AB05040410, ALI33623,
AF314091, I48978, A76637, AF217982, U51587, ALO80126, AF061573, ALI37478,
AK025435, AFI07847, AB048954, A08913, AC004213, AC007056, D83989, L13297, A08912,
A08911, ALI37463, AB050534, AFI68787, AL353802, AC008014, AK000501, X06146,
ALI33665, S76508, AP001434, AP000020, AP000161, AC012502, AC005048, AC005968,
ALI57360, AP001731, AB026675, AK024747, S77771, LO4504, Z30970, ALI33070,
AK026590, U67328, AF217987, AK027204, ALI37292, ALI37658, AF091084, AF038847,
ALI17587, AK027103, ALI17460, ALO23657, AK000489, AK000647, A08910, A18777,
A08907, I89931, A08909, U95739, AK026642, AK000247, AFI41289, L30117, AK024855,
ALI37547, ALO80137, AR068466, AC010972, AK026649, AK027111, AR087170, AK024542,
X82434, AK027102, A08908, AB007812, ALO80139, AFI24728, AK025254, AK024545,
AF321617, AK026551, ALO22147, Z94277, ALI33325, AC006222, AC005291, ALI37537,
AF013214, AFI10329, AFI51076, AFI19336, AB048913, AK026164, AF200464, X75295,
AFI1654, AR059958, AK025798, ALI33640, AF047716, I32738, ALI37548, AC005353,
I89934, D55641, I22272, AF000167, AFI30066, AB050407, E12806, AS025414, ALI35719,
SX2852, AL353940, AF002672, AK026593, AF026816, S54890, ALI17438, AB050411,
SX046716, A83556, AL390154, AK000137, AB049900, AK027173, AL389957, AF271786,
AB033884, ALI37538, AB047869, AFI25948, ALO96728, AF287051, AK027136, U67211,
ALI37479, ALI10280, ALI37267, AFI16631, AL390167, X99257, AK026793, E12580,
AFI16649, AFI19856, AK025391, AB047609, AI012582, AL359600, U89295, AK026857,
AFI06827, AC003032, AC023880, AC010137, AB049800, ALO22170, AC021020, AC026888,
I89944, AFI79633, A86558, AK024524, AI001838, U92992, AFI00931, AK000753,
AR083266, AK027096, AF042090, AF218031, A77033, A77035, ALI37271, AFI62782,
Z82022, F12579, AFI32730, AB033881, I09499, AK024538, AK026924, AF090901,
AR056191, X83508, M92439, AX026824, AX026823, A58524, A58323, AK026442, U66059,
AFI67995, AL389939, X61399, ALO50208, AB050510, E15324, AK000291, AF090900,

HVVBP24	613	102571 2	1 - 2799	15 - 2813	AL133016, AK027142, U78325, X66975, X67813, AB052191, D16301, AK026556, AI250403, AF116691, AF094850, AL133104, AK027114, AF017437, Y10823, X66871, AF067728, and AF028823.
HESUF88	614	102574	1 - 4193	15 - 4207	AL52342, AL22341, AU131342, AU130188, AU132871, BF792339, BF969571, AU128453, BE612552, AV715980, BG163411, BG030336, AW971686, BF110376, BE612841, BF974612, BP984410, BG170875, AU135635, BG171572, BF969111, AI114695, BG116185, BE777867, BG105637, BE788046, BE617832, BE272766, BE613122, BF983430, BE781807, BF327921, BG179051, BF609121, BE887450, AI201635, BF036804, BE620254, AV681961, BF031840, BE617364, BF526430, BE622063, BE003577, BG104924, AW055018, BE866172, BE785071, AI608845, BG028069, BF131292, BE881701, AI924945, AI380812, BE874221, AW192686, BE536070, BE867342, AI922811, AW173491, AI872015, AI609520, AI686062, AW069849, AI683739, BF214650, AI819265, AI880749, AW270734, N52135, BF466207, AW060593, AI372094, BF792983, BG261142, AI281743, AW518923, AI206934, AI373678, BF383161, AA082795, AI961375, BE002647, AA226854, AI911048, BF035162, AI812059, BE620794, AA776780, BF856076, AW022325, AW073782, AI309594, AA810868, AI494000, AI446075, BF609594, BF512656, AI207767, AI129435, AA687662, AA131910, AA454514, AW951534, AI424088, AL041920, BG249492, N48494, BF751865, BI901474, AW631311, AA581807, AI308392, BF130479, BE393485, AI808521, AI079259, AI082288, AI049506, AW262940, AA946825, AI090047, AW189477, AA25932, AI811369, BF102751, AI669830, AI751076, BF869800, BF115334, AI418580, AA593606, BF759415, AW021418, AI167242, AI597588, AA404373, AA100982, AI651918, AA421726, BF214846, AA258035, BE622898, AI801278, BF241327, BF896991, BF326681, AA563897, AI702061, AI654641, AA384434, AI511577, AI765254, AA809460, BE003490, H1521, AA181101, BF73271, AI637684, AI282078, AI916472, R64032, N62283, AW005950, AA223687, AA393919, AI827296, AI262804, AW276270, AW470653, AA621273, AA057165, AA13911, AA587103, BF243199, AI214506, AI754756, AI753767, AA149438, BG112626, AI541328, AI344680, AA452256, BE566015, W73264, BF238851, AW198097, AA724362, N24427, AA835352, AA348390, BF032051, AA223481, AA887918, BE966906, BF185459, AA634529, BE701913, AA780913, AA182968, AA706396, BF748552, H01598, AI431947, AA030051, AA363461, W74019, AA149599, AA169541, H15707, AA227206, AW510577, AA344891, AA345678, R63936, AI625182, N40457, AA149600, C75162, AA935744, C03496, AI469535, AA151523, AA653578, AA918932, AA902961, AA935206, AI620826, AA169442, AA363462, AA372566, AA029939, BE971146, BE246761, H01495, AA587369, BF030133, W32043, AI541323, AI688080, BG112610, W31354, AA24739, AA807890, T11192, AI961814, AA375865, BF476308, AI991359, AA251486, AF130055, X63679, X63678, U19578, N77572, W56403, AA056956, D11950, and AI302326. AL534710, AU117757, AU143487, AL515110, AU130408, AU125089, AU130746, AL514816.

AU131139, AU125505, AI138310, AU130546, AU123440, AU135056, AU138358, AU142263, AU134080, BE738460, BG036623, BP902234, AU139324, BP980929, BG110841, AU117027, AU136196, BG259698, BE783070, BE888369, AU135664, BE783601, BG116690, BF219247, AU128226, BE613883, AU126256, BE781281, BF692628, BE559783, AU128265, BE260946, AL515109, BE885402, BE557587, BE867313, AV714741, BE869213, AV724763, BE267517, AU132353, BP968361, BF204624, BF003514, BE888985, BE961076, BE299965, BE251395, AW854137, BE535425, AA579608, AL080041, AW854129, AU123023, AV751602, BG176765, BE531899, BF541387, BF208418, BF540874, BF672064, AU128181, BE537346, BE296555, AU135119, AA150112, BEI62575, AV914754, AW854247, BE514004, BF571598, AW851558, BG025815, BE779808, AW854072, BE268885, BE565793, BE541967, AU149149, AU150479, AW854280, AW854058, BEI66443, BEI66446, BF208047, BF691257, AW936178, AA310336, AWI39942, BF027927, BE858198, AU160568, AI66978, BF210593, AA150453, BF029195, BE537325, BE779046, BFI96262, N21199, AL514815, BF737856, BG110175, BF245527, BE873240, BF240935, AW337765, W60839, AA007492, AW936185, AA284235, AU148824, BE560402, AI245978, AV729569, AW340469, BF815649, BE349624, BF542037, AU152462, BB002872, AV704187, BE903714, BF977664, AU153896, BF700546, H39087, AI857928, AW402945, AI857929, AA884547, BFI15645, AW044377, AA708593, AI54400, BF690673, AU152645, AA806848, AA292984, BE865357, BF732954, BE299666, AA281307, BF926009, D53188, BE669518, AU126611, BF978543, BF208331, AI359733, AW574813, BG054722, AA911725, BF924279, AA194095, BE927704, AA815284, AW164409, AI362093, AA258691, AV723586, BF571015, AW386068, AI074110, AA614128, AI937918, AW951697, AI218676, BE777693, AA429422, AI361580, AAI56587, AA931474, N27470, BF997176, AA313613, BF700571, N31349, BF977551, AA007448, AA936569, AW93621S, W69685, D52529, AA171394, AW367949, AA150166, BF348820, AW664528, BF896619, AI039854, AI282901, AA884648, AU155841, BE884423, AI094728, AI201298, AA273365, AI346383, AI421258, AU15030, BF240091, BF921805, AI310120, AU152372, AI361451, AI285056, AA040411, AA789206, N88385, AU12975, AA418521, W24127, AI973164, AA227133, N99005, ALO38896, AW362878, AW403348, ALI19637, AI016520, BF475362, AW854181, AK024707, X74262, X71810, U35141, AF097750, AI000658, U85195, AL390227, AI251641, AC005277, R26679, R36641, R60888, R67309, R74343, R74438, H06510, H06565, HS1237, H63313, H68127, N1394, N63858, N71806, N92003, W47184, W60840, W69686, AA040303, AA045875, AAI11835, AA150397, AAI56654, AA169821, AA227234, AA281258, AA290658, AA290659, AA484242, AA503313, AA54148I, AA730527, AA910604, AA922473, AA999738, AI056722, C03662, AA263144, AA39311, AA626164, AA677495, AA703663, AA722328, AA770542, AA853719, AA853720, AA884006, AI022267, AI339537, AI368439, AI346133, AI571557, AI149688, and

5

HOUBC29	615	1025749	1-1963	15-1977	AW207758. AU118172, BF967577, BF038471, BF968076, AU138985, BG113380, AU138636, BF338853, AW960925, AW157343, AI816176, AI889635, BF445019, BE885689, AT744136, BF530122, BG119237, AI248444, BE878221, AU144812, AU158062, AI683874, BG116835, AI624450, BF338214, BE440173, BF797316, AW571810, AI475782, AU154834, AL044082, AI337858, BE219128, BE504350, AL038070, BF941596, AW880707, AW895457, BE884623, AA890251, AA909027, AI694588, AI832942, N21039, N30357, AI668336, AW113158, AW183735, AA994557, R60676, AI215709, BF694348, AI368355, N49119, W61023, AA021094, AI341477, AI375389, AI149772, AI39500, AI469287, AI418482, AI139493, AA252343, AA442004, AI189492, AV708972, AI184663, BF666194, AA114019, W73563, AI189609, AA440647, AA452678, AA441890, AA878305, AA229909, AA40515, AA834790, AA551777, AI342367, W90102, AA208355, H16004, AI290064, BG152906, AI493917, AI47345, N23980, H83633, AA113275, BE819383, R60677, W73582, W05265, F06473, H12980, T76940, BE300594, T59283, AA50611, AA813908, AA670481, AI500602, AI143312, BF931271, AW264653, AA021320, R68662, W38603, H09094, H87329, AA282469, H88423, AU133567, T80361, AA064996, AA877769, N24434, BE819360, AI248104, N48343, BE835858, T28639, R43036, AA128137, BF247027, R68715, AW514781, AA657948, BE169600, T30770, AA096405, Z40629, H27397, AA173769, FI310R, T53787, R00195, R51095, AA131035, R49652, AA031446, AA015847, AA22990R, R28135, BF058318, AI573285, AA883266, N59669, W24713, BE219461, AA713945, AW614903, AI075309, AI351426, H96991, AW976049, AA357134, AA341642, T59242, AI677663, Z39404, AA569551, AA173032, AA761669, AI92296L, T82415, AW089199, BE814748, R26623, BF77272, T82414, R71195, BF108669, AW57545S, F05819, CI4207, AA758777, F07580, N89983, AW517345, AA342861, BF087958, AI81443, BF087985, R54248, W21574, AT245041, N93570, AI566891, AA826567, R58569, BF576994, BF439053, F02065, AI369939, T16696, BF366429, R68143, BF965149, AI127655, Z20130, AI02549, AV655855, AT74898, AW998960, AW998961, BE958440, AA282487, AA279122, AI613526, AU128647, T31249, AA541568, AA845154, AA849409, Z42873, W60890, AA551793, N59680, R35527, AI381888, AI95064S, BF131830, AI961704, AA659659, AI540158, BE172103, AI128248, AI93633, AA279241, AA772575, AU139525, AA252322, AI139343, AA782509, BE161280, AI46311, AI070629, AI137321, E02340, X95403, M28213, E02339, M35521, X68071, M86821, J02999, S48723, T61443, I38819, H97101, N20625, AA672334, AA657628, and AI242536.
HOCPY47	616	1025965	1-3120	15-3134	AI534216, AU124415, AI534215, AU124249, BF793908, AU132166, BF792345, BG111555, AV688850, BG171107, BG028492, BF969425, AI801432, BG108221, BF733327, BF663592, BE619881, BF746890, BE731858, AW965641, BF665925, BG122860, BE003409, BE788660.

2128

| HOVKE20 | 617 | 102599 0 | 1 - 2538 | 15 - 2552 | BE905238, AU137278, AW151135, AU128897, BE735158, BE884319, AW262132, BE384410, BF742797, AV710041, AW769142, AW517359, AW338005, AW373588, AW468740, AW024843, AU128495, BE619266, BE019213, AU15118, AW37477, BF690080, AU124139, AW241404, BE619730, BF331576, AI660064, BG114091, AA536151, AU152127, AU153751, BE963856, BE716089, BE716103, AW410145, BE906313, AI624934, BG122469, BF591733, AA614338, BE716050, BF212934, BR436427, BE091534, AW374908, BF690005, BE716084, BE619170, AW024853, AI056781, AW579072, AA316213, AI018651, AI885775, AA701904, BF769659, BE273759, AW072631, AW438832, BF090279, AA718962, AW608084, AA693953, BF997218, AI139494, AI660421, BF997182, BF883379, BF770032, AA664290, BE716120, BF770040, AA522683, BF918375, T66125, AA972193, BF695272, AA862983, AA428398, AL046516, BF381340, AA504220, AA748129, AW136037, AI548174, BF769655, AV684332, AA442961, AA485911, AA497104, BF930962, BI923552, BE716094, AA161216, AI873944, W87301, AI372983, BF770037, BE900847, AI82829I, AA045008, AI056779, AA410277, AW068172, AW516076, AI24481, AI286345, BF907203, BF770006, N63176, BF98569R, BF923559, AA350408, BF888406, BF769993, AI352530, AA081089, BF091975, BF76967I, R52005, AA431627, AU158647, AA100326, AA368310, BE004008, BF349060, AA496940, AI25481, AA578753, BE812515, AA350409, AW190017, BF768918, AW410891, BF158561, AA398870, BF764594, BF767919, BF771908, AA923654, R52006, BF357204, AA435899, R71767, BE871607, AA399437, BE693936, AI032221, R71806, BE076619, AA563608, BF155867, AA081247, T35217, AW884241, BF764597, BEI69977, R69972, AA985512, AW749731, BE812695, AA431341, BF769721, BF903475, T53979, BF763097, AI379785, R38747, R48216, AA578094, BE693932, AW375234, AA159119, AI355212, AA045450, T05136, AA367245, BF088681, BE929085, AW375279, C21399, AA143624, BF830391, BE964246, AA625473, T8032I, AW796532, AI452574, AA353270, BF377656, R15479, AA983169, BF889342, R48217, BI48770, BF475528, R69973, AI024745, AA969907, BE841884, AA383452, AA96216, BF091778, AW351601, AA292992, W87438, AW371479, T09121, AI90792I, BE151944, AW600910, T07116, BF368764, BE151933, AA370080, AW371469, AW391874, AA025149, AF055010, AL049972, AB007931, AK022924, AK023826, AK022573, AK001233, AK026543, AL137127, A75151, T53282, R38966, AA421365, AA426283, AA730384, AA096085, AA43201A, Z21055, AI92334Z, AW089994, and AW263361. AL530585, AL530586, BE900591, BG250173, AV704437, BE273888, AT742702, AI33237S, AW965981, BE733696, BE279265, AI653228, AI823770, AI744071, AA421552, BG165821, BH850738, AI915219, AI089481, AW025353, AI860928, AW024596, N32892, AI803496, N75101, BE207042, AA552990, AI082854, AW675170, AW262745, AW73799, AI128345, AW615487, BF593160, AW467397, AV704688, BG150549, AI089227, AA22779I, N52331, |

2129

HODGH47	618	102613 9	15 - 2110	1 - 2096	AW665493, AA470722, BG170414, AI288984, AA270711, BG104336, AA770336, BE048696, BF463803, AW673001, N28854, AI968289, R74592, AA492556, AV705652, N42037, AI200027, AI652413, AW236467, AI159798, BF883988, BE271808, AI571629, AI184419, AI652821, AA722320, AI655234, R72628, H24937, AI818614, BF964050, AA417274, AI219363, BE076976, AI223812, AI085024, BG014018, AI192287, H43043, R79389, H42225, AI640426, AA854282, AI057209, AI916488, AI223813, AA227956, H14559, H42566, AA828175, AA375541, AI085978, AA968488, AA470654, BF198003, BF570153, R72699, BF998953, AA889636, R79390, AA876811, AI918838, BE833769, AI45304, BF796626, AI569200, AA258582, BF155171, AA365825, H55168, AW603886, AA363365, R46195, AV733299, D31566, AA889624, BF803882, AA568792, R74503, BF848346, BF684865, N40323, U76702, AC004156, and AI050194.
HODBK27	619	102637 2	15 - 885	1 - 871	AV714319, BE245435, BF085080, BE883963, BE315412, T67179, BE731249, BE732012, AW501306, BE077539, AC007041, AF315591, and AF315590.
HE8CH59	620	102680 5	15 - 3014	1 - 3000	AI949324, AI741823, AI956022, AI521629, AI831928, AI972082, AI653975, AI814061, AA910962, AI811709, AW025174, AW806878, AV701632, AA731734, AI862610, AA873562, AA195939, AA421230, AA187668, AW572118, BE350701, AI979136, AA846807, AA034130, AI025114, BF464579, AA947329, AV716043, AA700178, AA039676, AW509977, AI004713, AI889534, AA173951, AI817532, AW130669, AA554142, AA025463, AI753419, W76541, AA947549, AI811560, AI620263, AA000979, AA923500, AA731843, BG179192, AA482908, AA722321, AW023989, AA009980, AA056428, N79453, BE540962, W74316, AI634089, N22616, AA313112, AA968641, AI362535, AW391946, AV700316, AV389675, AA508074, BF197789, AA292028, AI262937, AW515512, AI347796, AW386921, AW392064, BE326822, BE162244, AI440446, BE162241, AV756239, AW392091, AW675605, AA477452, AW601973, BF216423, AW006885, F03610, AA477578, AW043887, AW866509, AA334983, R38720, AI865307, AI689187, AA313113, AW803685, AW271368, AI203830, AA505748, N63156, N28919, AI038034, AA025462, AW392164, AI370254, AW002736, AW392182, BF890740, AW083663, D12030, AA370115, AT45442, AA311321, N23815, AI289078, AI074527, BF673031, AA022500, AA074248, BE882686, BE783374, AI082722, BF985227, BG112403, BE825572, BE765224, BE766662, AA026883, BE708355, BE185094, AA421229, BE939600, BE764981, BG055150, AA730850, N63214, AI869433, AA262825, AW024035, AI074531, BF672955, AW362308, AI814134, AW948438, AW362258, BF571408, AA279008, AW373179, T82703, BF754687, W79250, AI174532, BF357809, C15105, AW960469, AW958927, R29652, AF070540, AF054284, AI137410, AF130099, AX013757, and ARU18138. AL521879, AL528488, AL528519, AL533556, BE277263, AL521249, BF996645, BF796292, BF339523, AV688166, BE384607, BE793205, BE799022, BF341655, BF792421, BF793076, BE179035, AU120022, BF686701, BF343123, AI912668, BF516065, BE255283, BF514059.

HSKGRS2	621	102691 1	1 - 943	15 - 957

AW369765, BF125290, BG109686, AL521880, AW749444, AW890360, AW027308, AI744735, AA843214, BF086451, BE266357, BF686773, AI077454, BEI14394I, AI743608, AW304450, BF339027, AW513087, AA621718, AW386240, BF983934, BE383983, BE01R266, AU146348, BF384664, BE254123, AW12950, AW449867, AA143197, AW837830, AA613804, AW050490, AI69507R, AI694956, AA774860, BEI38732, AI334115, AI049518, BEI79217, BF768970, AW780317, AIR58366, AIR58321, BF768780, BG014718, AW162941, BF568296, BF768915, AW898149, AIR10340, AA143213, BE049621, AA884689, N29757, AV684691, AW373527, BFR78173, BEI79220, BEI79215, BF768957, BF833601, BEI64521, AW19338I, H24669, AA730774, AW001661, BF224477, BF768993, AA317465, AIR83366, BE263438, AW38626Z, AA055927, BF923565, AII85430, BE696846, AI679113, T91335, AW371788, AI51908, AI866147, AI679689, BF882409, W95693, BEI42633, AW81330, H24668, AA352232, BEI71435, BEI71438, C21369, AW386257, AI241828, BF931704, AA055330, AI570098, BF768985, BF768912, BF769720, BF375783, AW935622, BF923553, BF094092, BF923560, AIR27249, BE503767, BF992146, AW19647R, BF824553, BF344463, AW21082, BF928669, BFR96163, BEI73354, BEI54169, BF769705, Z69890, AY005111, AJ404326, AK001093, Z69706, ZR4716, and Z56078,

BG026286, BE729382, BE563873, BE409361, BE399296, BE669943, BE218622, BF000652, BF433096, BE465008, BF697153, BE504280, AW027774, AI675461, AI620226, BF591621, BF510496, AI652839, BF433368, AI291296, AIR09638, AI400625, AI42396I, AI092358, AI681604, AW242346, AA846276, AW846276, AI261659, AI085293, AI763186, BE504486, AI867792, AWR72376, AA50S813, AA962236, AI689885, BF939912, AI279838, AW243337, AIR72951, AI077828, AI205630, AI936344, AA505678, AA304442, AIR27344, AI301986, AI472586, AW99934, AI698391, BF032768, BFR14449, BF895953, AA427700, AV755581, AI280661, AI687127, AIR89168, AI677797, BF528433, AL037558, BF340323, AW827289, AI58701, AI690813, BF343241, BE964614, AV682875, BF812960, BF343172, AW12910G, AI568138, AL042382, BF970449, AI582912, AW265004, AI254727, AI537617, AW083750, AI277008, BG029008, AW019985, AI365256, BG180273, AL037582, BG105895, AV681731, AW673679, AW169604, AA437338, AL037602, AV729953, AL110306, BG029829, BE769091, AI669639, BER76049, AI929108, BFR73239, AIR72148, AV735353, BF752858, AI624693, AIR0240, AW167918, AI089970, BF751347, AI961589, AL119863, AI359787, BF962727, BF386214, AW082532, AI537677, BF79296I, AWS83714, AI9S0664, BE965121, AI335426, AI348777, AV709390, AV703585, AI249946, AL03852R, BF909758, AA470523, AI591228, AI570966, AL514717, BFR68489, AWR27206, BG034550, ALI19791, BER78989, BG107847, ALA40241, AI273843, AI758528, AW081866, AV755459, AW083573, AW827285, BG113299, BF970652, BF037484, AW051059, AI670009, BFR14450, AI433157, AIT00073, AW461579, AI567582, BFR12961, AI70183, AI521095, AW02333R, AI612759, BF036115, AI889189, BG250213, AIR8285, AI633125, AI570861, BE895585, BF871314,

A950729, AI802542, BE393784, BG254565, BE906419, AI648567, AL120700, AI537187,
AW160916, AL514205, AI582932, AI345688, AV729649, AI679916, AI818574, AI583578,
ALO44500, BG166654, AW051088, BE965599, ALO41150, BF726603, AW198090, BF726160,
AI610446, BF033296, BF904773, BE968711, BF750879, AI680498, AI610667, AI433976,
BE967219, AA830821, AI679266, AI281867, AW088899, AW026630, AI571439, AI801325,
AI280751, AW302988, AI648458, AI040390, AL513867, AI699020, BG180996, AI866994,
AI669864, AW409775, AI554821, AI765469, BG151300, AI589428, BE843239, AW078606,
BG109131, BF885082, AI536685, BE965432, AI873638, BE621256, BE965169, AV734843,
AI469505, BF814453, AI267454, AI432969, BE544111, AV756148, AI538008, AW130776,
AH70293, AI819202, BG151388, AI623682, BE965621, AI963846, AI688858, AW118818,
A679672, AI923989, AF177401, AL137459, AL359583, AL389935, AL049314, I4978,
AL137538, AF130055, AF119909, I89947, AB052191, U5846, ALI22118, AK025339,
AL137294, AL137429, AF114170, Y16645, ALI22110, AF119875, A77033, A77035,
AL110296, AK025465, AK026865, AK02453R, AK026642, S69510, ALO96744, AFI13694,
AF017437, AK024992, AF102578, X53587, AF090943, ALO50024, AF260566, ALI33112,
ALO49300, AL359600, I00734, AK026927, B00617, E00717, E00778, AF208830, AK026592,
AX026824, AX026823, A58534, A58523, X06146, AF118094, AF090900, AF132205, I33392,
AF130054, AB024524, AF113676, I66342, I48979, ALI17648, AF067790, AK027113,
AF191894, A65341, ALO49382, AL133081, A08916, AK000250, AF207829, AL137476,
AL137526, S36676, AF217966, ALO50172, AK025414, AF130100, AL353957, AK026959,
A27171, AI8777, AX019230, AL137557, AL13747R, AK025573, AL137533, AL389951,
AF113013, AK000718, I22272, AK026408, ALI62083, AF130100, AL353957, AK026959,
AK025209, ALI17460, AL137271, ALO50149, U80742, AF030513, AF139986, ALI17435,
A08910, AF119883, A08909, AL353940, AL133049, AK027136, AX019229, AK025378,
AL359941, X79812, AF069506, U90884, AF031147, AF183393, AF305835, A08913,
AK000323, AL359618, I97214, AF116631, AK026632, AF155148, AF113690, I89931,
AB048888, AF162270, X62580, AK027161, AK026630, AF090886, AF138861, AF158248,
S68736, A08912, AF002672, X65873, AL137548, ALI22123, AB049848, AK024570,
AB049313, AR087170, ALO80074, AF116688, AB050410, A08908, AF132676, AF143723,
AF061836, AF218023, U42031, AB052200, ALI2045, AL137658, AL133568, ALO50366,
AR038854, S61953, AF113019, X82434, AL357195, ALO49938, AL133558, ALI22050,
AF116610, AF210052, AK026947, AB048974, AK000083, AK025092, AK34990, AK025435,
AF130110, AL389982, S76508, I89934, AF314091, AF078844, AF036941, AK027102,
AK025967, ALO49283, ALI22106, AK026744, X52128, AF111849, AK025798, AL137529,
AK000647, AF130082, AB049758, AK025434, AF155827, AF006417, AF105862, AF000145,
AF057300, AF057299, AF175983, AK026542, AF026816, AF130104, AB016226, AF100931,
AK026504, U67958, AF065135, AF087943, AF238278, AK025541, AB038698, AB007031,

					Sequence Identifiers
					AL359601, AFI30099, M27260, AL117457, I09499, AJ003118, AFI46568, E01614, E13364, AF081197, AF081195, AF230496, A18788, AK027096, AB050510, AF225424, AFI16654, AFI30105, AK027164, AK026647, AB050431, AF254119, AB047904, AX027129, AL133014, X72889, AK027116, A21103, AFI16691, AF094850, AFI26247, AK026894, AR038969, and AFI30075.
HMTUAQ05	622	1026913	1 - 1600	15 - 1614	AL517599, BF969702, AL517218, AL534615, BF668973, BF697790, BF541755, BF664743, BF668926, BF701473, AA486504, BF700755, BF669603, BE568881, AW842409, BE567626, BF002137, BF665510, AL534614, BE958077, BE958342, BE958374, BF668130, BF699715, BF667431, BE564393, AI339710, BF249427, AA743093, AI278953, AI278568, AI571986, N68247, BE897413, AI341071, BF208801, BF665660, AI346152, BE856973, AA488692, R60368, AA626449, AW751263, AW72569, BE928113, BE928111, BE719086, AA308535, BF090741, AI590397, AI078709, N39986, AW80433, AA133234, AA970783, AA351801, BF757348, BF7951, N57132, AA338145, BF196400, AL535854, AW394065, BF884379, AA314945, AA148150, BF062624, AI688621, AI096844, AI860744, AI420708, AW006666, AI358873, AA376417, AA129712, AI219397, BE142324, BE763646, AW050985, BF690738, AA376416, AI362046, AI090396, AW516972, AA309736, AI517219, AA079141, AW970268, AW970349, BE042473, AW389275, AW135592, AA557504, AI471517, AW779413, R60312, AI419556, AI805191, AA534362, N26928, and AI390079.
HCOMA45	623	1026979	1 - 606	15 - 620	BG120722, AI119018, BF978867, BE889331, W27132, AU153520, BG113292, AW009216, BF247311, BF184156, AI630279, BF344744, AA766615, BE739013, AK001549, and AI296153.
HE2KI45	624	1027007	1 - 3373	15 - 3387	AL536336, AL536335, AL523966, AL530021, AL530022, AU117518, AU117962, BF747075, AU134825, BF683999, AU130396, BF000235, BE746436, AU126073, AI621215, BG118397, BG116482, AU139709, BG114753, BE612958, AV681825, AW957859, AU137383, BF742555, BE697596, AW975830, BF034198, AW957782, BG251258, BE896710, AW957937, AW813051, BE697644, BE545203, BF977933, AW271555, BG259991, BG116851, AW957783, BE697638, AV691847, AI629012, AA308190, BF056635, AI950251, BE505024, AW271945, AU152320, BF375062, BF907621, BF907553, AU152599, BF907535, AI768899, AI144646, AI300924, BG697633, AI697765, AU150350, AU154067, BF907622, BE707571, BE697643, AI560075, AW014744, AA313132, AA703214, AU151943, AI564193, AI581089, BF381320, BE858805, AL135260, AU152784, AW338106, AA505767, AI418227, BE502116, AI640554, BE350804, BE697786, BF907545, AU155659, AI767988, AI625041, AI561182, AI140164, AI811500, AR58461, BF907552, AI887429, BE539679, AU144327, AW014169, AI99320, AU152389, AI382104, AA603342, AA888065, BEI78682, AI765224, BF335705, BF907547, BF907537, AI968568, AU151554, AI357213, BF381312, AI289596, N42240, AI47834, BF096000, BE746411, AA211092, BE178045, AW793648, AI244198, BF381062, BF753598, AW969744, AA455615, BF448461, BEI77876, AA487115, N46990,

HODD066	625	1027207	15 - 1313 1 - 1299	BF888089, AW194045, BF096003, BE931932, BR827921, BF815300, N32797, AA962704, AI689568, N48596, BF888124, BE931945, BE698779, H47565, AA393648, H99441, BF099205, BG120965, BF154461, AA353956, BE769239, AA486796, BE154200, AW630831, AA483596, BE933937, BF850138, BE827920, AV689379, AV692744, AA581961, AA535109, AI433400, Z42725, AA809529, AA211037, AA516054, BE932470, AU132558, AI928495, AA440833, AI758527, AW169835, AI971805, AI911938, AW957741, AI359161, AI032196, BF570808, AV693249, BE769243, EI29506, BG059191, AI750915, BF094204, AV694821, BE769228, AW439951, AV696813, AW66354I, AW117274, Z28830, BF381330, AI597681, AI750267, AA211203, AA249644, AI983281, Z23186, BE769236, BE004505, AI87324J, AA709206, BF381305, BE173112, N47278, BF746406, H47566, BE172276, AW793703, AW021744, Z38882, AW83384I, AW38952, W31762, AA104012, BF094202, AI905441, AW608385, AI470623, BF88812I, AI453000, D58165, AI493165, BF063673, AI498683, AW362831, BE173356, AA622090, AW796902, AW13030J, AA182761, AA552706, AA091451, BF87700Z, BF821006, AW603024, AI73910J, AA182641, AW389580, AA837350, AV736363, AA576356, AA638994, T48739, BE93375S, BE708178, BF888140, AI873826, BF114930, D1987T, AW81899A, AU129440, AK001625, AB020657, AK001824, AF161553, AK001273, AK023123, AK023020, AL137640, AJ012449, AK000931, AL078644, AB050414, AR018T2, and AW235591.
HVVAT45	626	1027269	15 - 3787 1 - 3773	AW149336, AV724255, BE161927, BE795004, AW364505, AW138803, AU137429, BE799764, BE30028Z, AU125467, BE932164, BE786074, BE882532, AI217476, BE294947, AA070029, BE931550, AA191715, BE931549, AI655979, BG254021, BG117060, F07456, BE255593, BE351838, AL039921, BE886862, BE884446, BE547035, BE889046, BF035323, AI000877, R19564, AU12410, BF345149, F07982, W27954, AA853040, BF345081, BP982641, BE747949, BE612626, BEI71987, AV749615, BF893610, AA853928, N86091, BE815909, BE836228, BE836225, BE901389, BE880310, BG026309, BE836276, BG259859, BF057135, AI609376, BE836341, BE711453, BE770291, BF573646, BE770388, BE784042, AW135540, AV692147, BEI61946, BE770253, BF768674, AA095377, BG253296, BG106774, BG150448, BF374787, T0499S, BE836332, BF735397, BF735624, AA089440, BE619425, BE836369, T11680, BE881592I, AW403333, AW388404, BE301162, BF768681, BF735716, BE162677, BE709428, AA603744, AI983648, N56195, AA32459O, AA099123, BE160000, BF105891, BE547010, N48490, AA366706, BF760099, N94256, BF677619, N8372I, BE301157, AR000717, LA3509_I05571, and X68836. ALS21709, AU139605, AU139786, AU133158, AV715927, BE353428, AV707854, BE882531, AH33464, BE302408, BE22052I, AW612477, BG122886, BF93222, AI186034, AA480343, AI082537, AW189879, BF00278Z, BF675617, BE002805, AU143997, AI745058, AI379721, AA001791, AW118778, AU149758, AA001870, AI190938, AU017469, AI810133, AI580107, BF061454, AA017470, N75111, AW573126, BG119005, AA496528, AI361074, AU155671,

Name	ID	Clone	Range	Accession Numbers
HVCAG18	627	102748 4	15 - 622	AI421480, AI797293, AI039242, AA676895, AA035158, AA813771, AI380129, AA577557, AI625511, BE930108, AU118630, AA496455, AA035159, AA034943, H09058, D52456, R60578, AI199837, H71368, H49158, AA526250, H71321, AU101119, AW051381, AW193626, AI469299, Z44640, AU158178, AL537252, AI375966, H03188, BE768068, AW027677, BE769432, H03987, AL521710, AA189113, BF112089, H78996, AA884440, AI247826, BE768175, R44612, AI370691, R41912, AW338918, BF908980, AA300907, AI682819, F05975, BF911500, AA089462, AU134848, AU127032, AI75046, H08357, C00830, BE798325, AW137909, H49079, BF594512, AI219213, AI902677, AW837163, BF335290, AA029557, D20866, BF779664, BF758104, T84855, N92073, H01516, BE777866, BE537307, AA384103, AA034942, AA386034, AI75883, AW820302, AI032167, BF677164, BE018848, AA136525, BF239017, BF993167, AA218780, BE07835, AW958177, BE878986, AA376539, BF210087, AL121716, AL117443, AK023709, AF180371, AF102265, AK023432, AF032081, AK023685, AK001365, AL162056, AL050080, AB029040, AK027030, AK021676, AL04699, U52077, AL050341, AC05977, AC006249, AL080315, AL139188, AF104257, AC004385, AF314060, Z84470, AF205406, and AF126403.
HVCAG18	627	102748 4	1 - 608	BE393771, AI491895, AI972158, BF035171, AI683354, AI634702, AW003747, BE394824, BE208245, BE674284, AW166518, BE394667, AA477548, AI204509, AA433859, BF223547, AA075256, AA459028, AA704365, AW170346, AA719455, BE898899, AI683449, AA293804, AA722190, AA394184, BF061263, AA010660, AI972816, AV705972, AA534766, BE382381, AI800229, AW054677, AA075515, AA291675, AW517880, AI269897, AA025902, AW105621, AA496562, AI131418, AA477665, AA293236, AA972922, AA688358, AA605299, AA603048, AA555137, AI206090, AA452084, AA432228, AI352215, AA327201, AA563656, AA078977, AA451904, AA628896, AI128837, AA010659, AW510341, AI683140, AA025750, AI859472, AW102571, AA477050, AW189037, BF111273, AI680769, AA412687, AI298658, AW193875, AA496431, H50634, AA936665, W67669, BF446212, AA292518, BG150710, AA428593, P02471, AW749395, AA385354, BF877343, W67668, BF876769, AI955963, AI932457, AA477179, BF750539, H50635, AI609687, BF883518, AA353459, BF877245, AA287213, AI540421, AI087799, AA507349, AA234324, AW189604, AW772554, AA506658, AA476938, BE811673, BE694854, AA299081, AA969241, AI685657, AA385556, BE811545, BE811507, AA406000, AW088425, AA477670, AA402537, BE001672, BE746798, AA477553, BE931271, AW779288, BF184297, AA477157, AA290980, F02231, AW467094, AA079060, AA402896, AW207468, AA401329, T28367, AI521428, BE515017, BE001677, BE001587, AA908550, AA403038, AA411029, AA411533, AI963250, BE816517, AI130774, AA440928, AW754236, AA480517, AW995301, AA479786, AA908619, H53726, AX014329, A18924, AU31663, and AF314058.
HPTXK72	628	102748 6	15 - 1004	BE393771, AI491895, AI972158, BF035171, AI683354, AI634702, AW003747, BE394824, BE208245, BE674284, BE394667, AW166518, AA477548, AI204509, AA433859, BF223547,
HPTXK72	628	102748 6	1 - 990	

2135

AA075256, AI459028, AA293804, AA704365, AW170346, AA719455, BE898899, AI683449,
AA722190, BF061263, AI972816, AV705972, AA394184, AI800229, AW054677, AA075515,
AI010660, AA534766, AA291675, BE382381, AA293236, AW517880, AW105621,
AI131418, AA972922, AI269897, AA496562, AA477665, AA688358, AA025902, AA551137,
AI206090, AA405299, AI352215, AA363656, AA451904, AA452084, AA432228, AA603048,
AA628896, AV704660, AI128837, AA327201, AA477050, AA078977, AW189037,
AW510341, AI683140, AI89472, AV705443, AW102571, AV703972, AA010659, AV725088,
BFI11273, AI680769, AW512687, AI298658, AV703342, AW193875, AV703456, AV702222,
AA496431, AV658362, H50634, AA025750, W67669, BF446212, AV707155, AA936665,
AV653845, AV72942, AV709932, AV727238, AA292518, AA385354, BF877343,
AA428593, AV707770, AV704481, AV725047, AI52556, AV706394, AW749395, BF750539,
AV700137, AI609687, AV705447, T02471, W67668, AV701953, BF876769, AV703284,
BG150710, AV707556, AV698270, BF877245, AA335459, AV725991, AA477179, AV701914,
AV709222, AV72727Z, AV745940, H50635, AV703030, AI932457, AV702486, AI955963,
AV706075, AV728653, AV703913, AA287213, AV706425, AV707658, AV701614,
AV705525, AV727204, AV651075, AV711901, BF883518, AV728523, AV701471,
AV726699, AV645540, AV703783, AV702315, AI087799, AV686417, AV661838, AV706655,
AV701320, AV753729, AV727314, AV725074, AV694871, AV728471, AV725090,
AV702343, AV703213, AV728309, AV753856, AA284324, AA728185, AV738340,
AV727126, AV706910, AV683285, AV694787, AV658332, AV727984, AV772554,
AV727562, AV729017, AV729366, AV708069, AA506658, AV702696, AV726532,
AV705189, AA476938, AV725154, AV702163, AV704307, AV706964, AV706925,
AV697350, AV704434, AV687342, AV700322, AV709886, AV754068, AV727047,
AV726743, AV727468, AV701844, AV707828, AA507349, AV759156,
AV728436, AV746010, AV705684, AV707648, AV707238, AV725380, AV701643,
AV702868, AV727954, AV704897, AV709040, AV703591, AV704879, AV729376,
AV703989, AV645836, BE811673, AV701730, AV725920, AV722920, AV703940,
AV708320, AV645575, AV729255, AV702787, AV725099, AV703980, BE694854,
AV705234, AV728715, AV656240, AV704955, AV709935, AV703417, AV728874,
AV702721, AV726761, AI54042l, AV685688, AV687176, AV687012, AV727052,
AV701985, AV701875, AV760359, AV726783, AV691891, AX014329, AI8924, AL031663,
AF534058, AX020190, AR088705, AR079804, AR017907, AR091393, AR038855, I13349,
AX026824, I18895, AX008555, AX009712, X81969, AX035980, A91965, AR062871, A25909,
A85395, A85476, I44681, I66485, I66487, AX028305, AX035462, AX009487, AJ244004,
AJ244005, AR062872, AJ244007, AR062873, AX001322, AX026823, AJ244003, AX006316,
D78345, Y16359, AX006826, AX001082, A20702, A20700, AX032758, A43189, A43188,

					AX006825, AX006822, A98420, A98423, A98432, A98436, A98417, A98427, AX021518, AR093392, AR037157, I63120, AR038762, AR093385, A98767, AR008429, A93963, A93964, AX042372, A86792, Y09813, X83865, A84772, I15717, AR054109, I15718, A84776, A84773, A84775, A84774, AX006821, AR067731, I08396, AR067732, A58522, A91750, I08395, M28262, A93016, AX047063, E03627, AX011024, A18053, I48927, A60212, A60200, A60210, A60211, I62368, I13521, AX003207, I52048, I84553, I84554, AR096545, U94592, U60682, A02712, A77094, A77095, AR080470, AR077142, A35536, A35537, A81878, AX033488, A11623, A11624, E00609, AX033489, AR069650, AX033490, A95051, I06859, AR095492, A02135, A04663, A02136, A04664, A18050, AX012337, AR073846, A23334, A75888, I70384, AX033474, AX033486, A58524, AX033487, A64973, AX006823, A60111, A23653, E13740, AR007512, A11178, E01007, Z32836, A10361, I99890, A58523, A11245, AR043601, AR070327, I03331, A02710, E12615, AX018504, AR035193, D50010, E14304, A07700, AX027811, AX027809, A1392, A1393, AR031488, A27396, AX027813, AX030369, AX030368, AR069374, AR027100, I44531, I28266, AR069375, A90655, AX042377, AR083151, AX027812, AX027810, AR091518, AX027816, AR072535, AX042375, AX027817, AX027818, AX027814, I21869, A92133, AX042373, AX032992, AF149828, I44516, AX032993, A70040, E16678, A82653, E16636, A95117, AR074365, A24783, AR085082, AR085089, AR085091, A24782, AR095490, AR095491, AR085079, AR085083, I01995, AR038066, I25027, AR069426, I08051, I26929, I44515, I26928, I26930, I26927, I60241, I60242, I05558, A20699, E00696, E00697, AX001330, E03813, AX003206, AR093384, I66482, AR009151, I66483, I66484, AX004550, AX036660, AX036661, I66498, I66497, I66496, I66486, AX023553, AX003194, AX023548, AR072540, AR093383, AR051652, AX027636, AR031566, A22738, AR079060, AA480517, AA908550, AA290980, A290981, AA401329, AA402537, AA402928, AA402896, AA403038, AA411533, AA411029, AA479786, AA477157, AA477553, AA477670, AA969241, F02231, A521428, AI685657, AI963250, AW088425, and AW467094.
HHSGW78	629	102840 5	1 - 495	15 - 509	AI040010, AI300866, AA682391, BF109228, N29566, BG223154, AI129244, AV741891, AA761892, AI085911, AA708606, AT847228, AW016268, AI125595, W46147, AI086773, AI090828, AA846190, W49679, BF109594, AI126838, W48662, AA149081, AI343789, AI601178, AA782846, AW965184, AW965196, AA428595, AI129248, AA740563, AA554542, AI338248, W80680, AI025221, AA677392, AI190899, W94009, AI001139, AA683514, BF436689, AI589088, AA244460, N95164, AW907886, AI077390, AA603581, AA526582, I98767, AA729878, AI032677, W49848, AI144405, AA494307, N35698, AA041457, BG026470, AA916799, AA613024, BE792146, AI269011, AA902613, AW022516, AI131435, C21125, AA889491, T60457, AA845442, BF789615, BG170408, AI248145, AW874239, AA055102, AW024412, AI189372, BE312637, AA512949, AI565196, AW016193, AI918116, W84416, BF448735, BF124923, BE769708, AW496831, AA700243, N80608, BE883556,

			1 - 2646	15 - 2660	
HDTLR06	630	102919 1	AW194137, AA036650, BF215467, AV707190, W51872, AA034442, AV712984, BF680831, BF966226, N23951, AV699381, BE884771, BF691260, D57508, BG169173, AA932609, F33146, AI273036, BF061273, W80936, AW337192, AV710168, AA203621, F36926, BE219184, AA203303, AA975956, AA034441, N45090, AW022006, AI143160, H45672, BF061231, AI204692, AA46438, AA258924, AV711891, AA716545, AV716456, AI768434, AA483466, N31852, AA041487, AI418736, BF245211, AA041509, BF697691, AA432231, BF245775, AA922529, AA781780, W49678, BF358515, BF222274, AI936125, AI378250, AV701971, AV654379, AV712755, H45714, AC020977, AF020351, AX017280, X63215, and AF124785.	BE880150, AV714766, AL037752, BG249115, BE869900, BF97061, AV716522, BF981298, BF670705, AI807631, AW959676, AA479519, BF699048, BF240530, BF028284, BG112682, BF103751, AI433776, AI085610, BG105696, BF221532, AA479522, BF815176, AV700038, AI979032, AA149078, BF979245, AA868892, BE064495, BF576484, BE779262, AA085763, BE549144, AI838699, AW368466, BF211956, BG231196, AI274793, AI302738, AI685714, BF248056, AW025865, AW510744, AA868627, AW631467, BF757093, BG056635, AA113509, AI566328, BF887743, AA411937, AA099324, AW008987, AA123370, AA101862, AI034130, AA505082, AW474020, AW512897, AA131278, AW801804, BF763378, AI420344, AI707791, AI289004, AA827737, AI307391, AA603153, AI278872, AI088381, AA149079, AW816611, AW768937, AI911177, AI085852, H03698, AI027366, AA993335, AI003565, AI088373, AI94832, AI883469, BE968701, AW025874, N34932, AA411978, H84364, AA709465, AI026993, AW380728, BE004195, AA075705, AA687743, AA708422, AA600355, BF802610, AA505085, AI086107, AA458999, AI038736, H04299, AA069442, AW959683, AI287268, AA346920, AA459218, BF801763, AA558206, D79676, H03699, H03200, AA411789, R56481, BE694195, AA468345, AI581421, AA468915, BF801764, AA032256, AI242820, AA743438, R62743, AI690209, AA373919, AI000242, AA102069, H03200, AA411789, R63384, AI557127, AI934536, AA099859, AA993326, AA285277, AA411777, Z21244, R78175, AA508503, X85612, BE165918, AI695567, N43994, AI557451, R81943, H03997, R49722, AA075695, AA468992, H01646, R63438, H03016, AA371111, AA826547, BF735612, BE670784, AI866416, BE005572, AI088382, AA371158, R77810, BE931779, AA296627, R38119, AA298094, T49048, Z21319, AA033629, R3803, BF515977, AA069469, Z21218, T49049, AA092678, AW472736, R26423, Z21382, AA468153, AA090508, AA743841, BE005593, BF804374, BF917943, AW889236, H84365, Z21243, AW611875, AI914841, AI687818, AW858825, AW877209, AI134524, AW96835S, AL119324, AW971745, AL119457, AI432644, AW858526, AW861944, AI623302, AX017997, AX017856, AX030435, Y17793, AA066494, AR080280, AI251859, AF01249, AB026436, AX030436, AX046357, AZ79014, AR060234, AR071207, AL133049, AL133074, AL133053, AL133076, AF064854.

HPAMG11	631	1029484	1 - 1315	15 - 1329	AL122101, AR054110, A81671, AL133068, and AR060079. BE747185, BF027619, BF036217, BE898878, BE879303, BF345805, BE876986, BF745122, BE742819, BE875019, AL536934, BF570276, BE875906, BF984370, BE892090, AW081666, AI832707, BE745781, AV694521, BE315072, AW250016, AW954141, AW150364, BE207659, AW957004, AI148920, AI799718, AW249413, AU148744, AA426216, AT745234, AI951260, AA448227, AI920826, BE732315, AA434128, AW150130, AI954474, AA303085, AI955179, BF314962, AI002573, AW316690, BE898908, BF032262, AW768741, AW129675, AW190199, AI673189, AI905251, W45131, AI633410, AW733124, BF961569, AI028405, AI676122, R35621, BF033609, AW275855, AW01416, AW193391, AA888952, AA434063, AI538224, AA088197, AA535520, AW150121, W79830, BE907265, AA894775, AI684012, R43171, AW008535, BF095212, Z39285, R71396, AI014759, W67259, BF195242, AA679644, AV709558, AA444370, BF969186, AI824709, A032483, AU157353, AA399042, H92688, W48653, T5664, AA303084, W67405, AI598209, F10851, AA543080, AI613024, H78325, W45090, AA812293, AI927856, H78326, BE085568, AV726722, R70181, BF989514, BE093115, AI970979, BF569413, AI732820, BF033608, AV727483, AI827432, BF877350, BE275903, BF879983, BF822159, AI732766, AA385233, T62619, AW611752, T87085, AI800683, AA456124, BF091176, AA430681, AA397609, AA425986, BF799738, F31113, AA291586, AA421299, S82470, and AF211969.
HSDJR27	632	1030870	1 - 1783	15 - 1797	AW005629, BG250786, AW167264, AW514301, BF972677, AI978666, BE042945, BG030936, AI653352, AW245141, AW473620, AW952847, AW381277, AW084624, BE613692, BG321579, AI868951, AW381279, BE697890, AI11447l, AW008764, AW418543, BE697876, AW515047, AI148331, AA456251, AW316794, AW149142, AW381280, AI598035, AI143936, AA211485, AI278540, AA579574, AI566968, AA422564, AW150911, AU144458, AI051837, AI018216, AI826388, AA454639, AW510391, AI307182, AI289622, AI078750, AW515371, AI091088, AA568661, AA604128, AA890006, AV718198, AW008757, AA776519, AI025370, AA988529, AV724654, BE855631, AA425359, AV724468, AA129320, AA565823, AA767424, AI18982, T62521, AW139907, AI948620, AA031319, AW952485, H49462, H97012, AV381263, AW627375, AA132361, AV702030, AI36964l, AA91024l, AI670733, BE703259, AI283644, BE221734, BF197353, AA784475, AA13260, BE841619, BG015801, AI684010, H49463, AI29767, BF433941, AA807987, T87152, AA129383, T0321, AV653714, AI809410, AW192634, AI380647, AA341266, H84690, AA827171, AW295873, AI382754, H75949, F22114, AA932513, BE677881, R02581, T31504, Z42997, Z29713, BE900223, N59136, T89930, AI379281, AW979047, AW383774, F02474, T23701, AA430719, AW606262, AW381575, T87057, BF841083, AW383775, AW383735, BF837368, AA322268, AI634197, AI254734, T16695, BF841582, BF841536, AW884300, AW383750, BF087220, AI380926, N7574, AI473328, AW383744, AW197718, BF842440, AA576177, R35638, F13769, BG015805, R27657, BF938517, AW372004, AW014878, AA777966,

2139

BF842421, BE275928, AA322497, BE938497, AA019517, AA831364, BF798273, BF087060,
I67675, BF183133, BF091009, AA026869, Z39829, BE065664, R27560, AA814308,
BF091013, W63640, BE798417, T83607, AI014302, AU117691, AI91645, TB7841,
AW95054, T03909, AA644513, H67997, BE065667, AW381555, BG032152, BF089279,
BF819202, I62593, AA00769I, BF087058, AA828990, AW956823, BE728395, BE763412,
BE386638, AI680319, AI057250, AA005034, AW578194, AI888160, AW241373, N73865,
AV723667, AI613450, AA953618, AI566355, AI571125, AA513565, BE302306, AI129914,
AW514702, AI680192, C05886, BF438174, AH422352, AI093541, AW474575, N22911,
AI240275, R93021, R09732, AW469195, AW402677, AI242576, AH00007, AL514887,
AT999004, AW189564, AA004420, AA693817, AW235659, AL515375, AV699744, R91003,
AI018263, AI954997, AI954988, AI034073, AL515043, AW978840, AI176704, AK021559,
AF174597, AF155114, AB041585, AL031178, AL137520, U48304, U48303, U48300, U48301,
U48299, U48302, AC06099, AI159980, U91325, AI388051, AI388050, AC009134,
AC006381, AC005081, AC003085, AC004562, AC06359, AF172642, AP000462, AL034419,
AL353897, AC01983, AL136296, AI049767, U94853, AL035658, AC013734, AF121899,
AL133511, AP000687, AP001819, AC006947, AL445984, AC022324, AC004241, AL163932,
AC005181, AC004775, AC005912, AL035534, AC004037, AP001724, AF132209, AC005515,
AC019099, Z93242, AP000074, AC012152, AC004836, AL133507, AC006332, Z95703,
AC007423, AC021999, AC006040, AC007156, AC005723, AB017654, AL132793, AL121953,
AC008984, AC009430, AF181676, AL121881, AC016956, AL049858, AL137122, AL049798,
AC009945, AC007877, AL157694, AL391297, X74180, M80521, AC005817, Z83839,
AL353643, AC005062, AL035067, AL096868, AL161415, AC004954, AL354942, AF292032,
M64685, AL02357B, AL035412, AF109076, AL139182, AC008752, AC016572, AC025572,
AL137070, AL096769, AC020076, AL160031, X79926, AL049795, AC009319, M31941,
AC006231, AC007795, AC019930, AF241730, AC087085, AL354750, AC003669, AC007565,
AC005370, AP001435, AP000008, AL031651, AC009476, AC009140, AL160036, AC005385,
AC020717, AL138733, AL355382, AF217492, AL137853, AC002331, AC000124, AL360085,
AC005618, AL109602, AL049649, AC012083, AF217603, AL137784, AF176315, AC008407,
AL121869, AL139195, AL009030, AC007350, AC016968, AC005951, AC022268, AP001223,
AP001210, AC007746, AC004389, Z98751, AP000704, AC080016, U91322, AC018725,
AC005629, AL049866, AC006455, AL138914, AC005138, AP001054, AB001523, AC011198,
Z16686, AL022396, AL049562, AC087086, AL445677, AC009949, AC008528, AC010723,
AC004748, U16302, AC006376, AL035668, AC022317, AC008727, Z99496, AL109837,
AP001679, AC002465, X71583, AL109853, X72216, AC006353, L04275, AC004998,
AL121828, L02065, AL391474, AC010491, AC010489, AC008518, AC018641, AL445605,
AL359212, AL080284, AC020944, AC004919, AC004663, AL133492, AC024168, AP001604,
AL139340, AP001688, AC005690, M75871, AL137078, AC016144, AC007876, AC008155,

HOCPL33	633	103087 1	1 - 2171	
			15 - 2185	AC005870, AC002482, AL031133, AC007237, AL117338, AC007385, and AC003053. BF725593, BF344577, AA291892, AI093722, N35995, N21491, AA493711, T57002, AA650030, F09835, AW953246, AA573152, AA541730, T80464, D31115, BG059601, AA350448, Z25379, AI393498, R39024, R42314, AA865667, N44238, AI088818, BG054755, F08817, AB70892, AW139210, AW338984, AW449202, AI418641, AA729145, T66221, AI910796, T93953, T94411, BF507381, AA350447, BE163296, AW081029, AI208336, AI624663, R16370, AI242755, BF437813, AW905871, T93904, AI906851, F11146, AA507190, AI696468, AV699193, BE245956, AA648118, AL514793, AL513961, AL514731, AL515341, AL513971, F13451, AL514717, AI589450, AI745505, AW016789, AC005551, AZ277264, AL121656, AR089157, AC018514, AF243527, AC008018, AC006115, AL355815, AP001605, AL133240, AC006989, AL031846, AC010412, AE000665, U72620, AL022238, AP001688, AC084392, AL078630, AC005544, AC003689, AC010311, AC005736, AP000252, AP001699, AC007655, AL034549, AC005274, AC016656, AC026431, AL137060, AC069019, AC011484, AF003626, AC004900, AP000134, AP000212, AC010267, AC004659, Z84474, AC003670, Z98049, AP001707, AP050157, AL031228, Z98946, AC013458, AC005082, AC006075, AC008738, AL031390, AC006336, AC010582, AC005944, AL356321, AL355485, AC020947, AC010723, AC004846, AC005725, AP001711, AC007021, AL035658, AL163279, AC021868, AL053668, AL137145, AC009756, AC025167, AL132795, AB003151, AP001705, AL133353, AF314058, AC079603, AC005859, AP001412, AC004685, AL359272, AC019209, AC007907, AL109800, AC004903, AC004161, AC007981, AC005259, AC008394, AC006994, AC007115, AC008887, AL033378, AC011198, AF227510, AL162414, AP001714, AC003060, AC007993, AL133238, AL121890, AC008102, AL139114, AP001726, AC005181, AL109925, AF289667, AL034351, AP000152, AC012309, AL139327, AL13621B, AL031224, AC008482, AC015540, AC005742, AP001724, AC006530, AC005370, AL118520, U85198, AC012351, AC017100, AC005914, AL031663, AP000402, AL157901, AF111102, AC006972, AL162455, AC005682, AF053356, AC016620, AC006944, AC027689, AL117186, AC007325, AC005839, AC016831, AF001905, AL109928, AC006004, AC006333, Z84487, AF152363, AC007263, AC016898, AP002532, AC009976, AL050348, AC007748, AC117350, AL035466, AC008747, AC064878, AL158040, AC021642, AP001717, AC088429, AF125314, AC026881, AP002530, AC005817, AC012526, AC005290, AL008720, AC019173, AC005522, AC011453, AC007226, AL050341, AP000272, AP001691, AC008626, AL008723, AC006151, AL139553, AC007510, AL031054, AC010874, AP001727, AL163207, AL163206, AC007656, AC009169, AL133215, AL163248, AF000664, AC011470, AI010688, AL021127, AL355532, AC083871, AL031371, AP001728, AC004815, AL132777, AC002553, AL121852, AL049874, AL160231, AL139008, and AL159980.
HPCON80	634	103096	1 - 2743	
			15 - 2757	AU125281, AI341671, AI205964, AU125275, AB911769, BG225896, AI378791, AI031802, and AL159980.

3			BE667902, BF001953, AL038594, BF980802, AU138919, BE891177, BF970173, BP970173, AW051484, BG250318, BE289081, BE693756, AW362262, BI786824, AW511114, BG113568, BP064615, AA009021, BE904266, BG035645, BF238740, BE536646, BG114756, AW190346, BG113181, AW362861, AW262049, AI263923, BE542722, BF977300, AA610026, AW66463, AI986151, AI684102, BE701144, AA954206, AD279796, BF594374, AI823866, AA445560, AA436242, AI752275, AW027296, N66002, BF968980, AI401327, AI752356, AU189468, AA235144, AA436919, AL038595, AW016399, AI272955, AI308097, AI539266, AA436243, AA430381, BE838204, AA865506, AI752058, AA972055, AW01591, AA430734, AW268147, AA494424, AA653605, BE818621, AW591117, BE719146, BE838697, N24583, AI701154, BE220373, N95114, BE672177, AI752276, AI801614, AW369379, BF132446, AI752386, BE833699, AA912058, AI750729, AA099099, AA018338, DE833698, BE931347, BF732554, AA659106, BE771906, AA234745, AA47821, BG258794, AW068079, H24829, BF003584, BE899243, AA912162, W25171, BG056980, BG121984, BE932583, AW26291B, BF797326, AA346940, AI247522, BG024573, AA628028, AW364305, AI263971, AA625407, AW362150, AI752059, AA57626Z, BE04827I, AW300619, BE83869I, H73800, AW016410, AI82986I, AI910850, H73787, AA018539, AI681474, AA991165, AL036588, AW67344, AI205671, AI247899, AW364245, AI695237, BE562024, BE897497, AW51522, T89755, AW275459, H89238, AI753343, AW696759, H82662, N95452, AA514818, AI264787, BE838701, AA459675, BE838710, N91004, AW889556, BE869969, AA459797, H89287, T83120, Z28550, AI804910, T73910, AA682987, AW262976, AA598583, AA324634, BE83868B, T89397, AW390276, AA876901, AW845090, AA346941, N33730, BE549598, T73942, AA324179, H19255, AI867212, AW376643, AW376802, AW848197, AW844552, AW675770, BF918373, AL134190, AW376632, AI284739, AI769735, BF331292, W20133, AW376583, AA295317, AW970370, BE719069, T30544, AW855261, AA935880, BF034494, BE838694, D38549, AFO72697, AFI60973, ALI61999, ALI36549, AB032994, AB050254, L47738, AK024816, AI357618, A74762, N53981, AA935058, AA095975, Z20384, AI034347, and AI537324.
		15 - 1941	
		1 - 1927	BE612881, AV681739, N36809, AW967677, AI819225, AI689062, A741346, AI872193, AA282915, AW102898, AW971573, AW629970, AI950344, AW967671, AI683338, AI858509, BF589902, AI950087, AW173586, AA283144, AW150329, AW205862, AI763273, AI890387, AI653832, N70208, AI762688, AA988777, AI821380, AA488892, AA908741, AI633006, AA044209, AA293273, AI356394, AW072629, AI308119, AA251874, AI373032, AA969759, AI539642, AI566269, W01059, AW513996, AA972584, AA642789, AI251473, AW512843, AW50512, AW103813, BF886630, AW513601, AW467940, AA251875, BF993945, R97278, BF819530, AA48964, AI821346, AW276997, BF195374, AW059581, N46026, N50134, I60052, H83348, AA300207, I91721, N75628, N35320, BF196759, AI74010, AI961530, H59397, N22388, AW7040, AA908398, AI002839, AA847038, AA856975, AA382351,
HODED22	103107 6	635	

Clone	No.	ID	Range 1	Range 2	Accession numbers
HODFZ16	636	1031085	15 - 904	1 - 890	AA251669, W37181, BF998263, BF998265, F00531, BF997959, AW276905, AA383118, F00049, R83287, AA337499, AA236854, AA598470, AA180009, R69682, T81601, T85904, W87891, R69594, R07850, D84394, AP000509, AC083862, AC009542, AC009330, AC004185, AC006047, 297876, AL158167, AL080317, AC010877, AL357654, AC005406, AC010598, AC008554, 298750, AF058907, AC018728, AC004707, AL135421, AC011494, 297054, AC008739, AL132982, AF196971, AC007319, AC011895, AC018694, AC002485, AL445258, AR036572, U91328, AC012068, AC005908, AC007029, Z83820, AC015550, AL356020, AC022027, AC004985, AC003093, AC010521, AC004055, AC009505, AC008995, AL039098, AC003983, AC020633, AC022150, AP001748, AP001630, AC011604, AC016941, AC005574, AL353678, AL121947, AL389889, AJ239329, AC009082, AC004617, AC011477, AC009289, AC012601, AB003151, AP001725, AP000689, AP000688, AL390836, AL049830, AC078899, AL049032, AL035410, AC073559, AC019187, AL122001, AL160234, AC018676, AC006023, AL078475, AL163203, AL096868, AC005023, AC013735, AL259218, AL499697, AC008265, AC025593, AL118502, AL138680, AC010183, AC066593, AC013412, AC007683, AL109933, AC008760, AL021026, AC008463, AC009491, AL121887, Z84514, Z83839, AC002059, AC006147, AP001714, AP000277, AC008752, AC011749, AP000037, AP000105, AZ71736, and AU022147.
HWGAE28	637	1031316	15 - 2512	1 - 2498	AU142662, AU122434, BF313104, AW296716, BE082138, C17206, AA82641, H65334, AA807120, BF948913, BF954989, BF962641, BF935143, AW274870, H65533, BG014436, AL038842, AW513789, AL038841, AA991899, AW858064, AU21765, H29930, AW502949, AW150209, AW080073, AI123933, AI123922, AU144023, AU144129, BF871412, AI902170, AC007956, L40400, AB033168, AL133492, AL163303, AC012384, AL109825, AC020728, AL117186, Z82253, AC005323, AC005412, AC079603, AC008745, AC004408, AC025226, AL163246, AC010201, Z70272, and AC005619. AL532884, AL536010, AU119158, AL532831, AU13754, BE745500, AW007660, BE275049, AU136309, BG252544, BG030152, BF969187, BE784443, BE794719, BF968474, BE783084, BE781638, BE253809, BE899520, BE778167, BE256714, BF526973, BE546562, BG259152, BE778011, AW614628, BE891232, BE731724, BE747256, BE782053, BE784115, BG250699, BE745177, BE902036, BE777819, AU137978, AU066745, BE782043, BF980330, AA573220, AW662390, AU127382, BG301322, BG120424, BG024926, AW239481, AU127941, A1091268, BF779025, AW150072, BE256841, BG056400, BE904709, BE870649, BE258984, BF573556, BF696389, AW780335, BF973777, BE256053, BE781356, BE221362, AW247473, BF782729, BE258556, BG259237, BF131364, BE259358, BF691584, BE254655, BF667102, AW247336, BF977152, AW770805, BF969017, AV689827, BE958151, BF701767, BF698305, BG100265, AU150320, BE388447, BE546560, BF571551, AI568796, BF029871, BF977578, AU127305, BE250863, AI718794, AI690695, BE253419, BE257509, AW73194, AI62484, BE254374, AU126969, AI859836, BF698313, AW196988, BF031160, BE781097, BE254505.

				Accession Numbers
HOFNZ21	638	1033128	1 - 444	AW021101, AI623172, BF790772, BE960970, AW410387, AI797363, BF217081, BF669555, AR29380, BE254870, AA866333, BE779612, AW105161, BG037091, AI765279, AI124713, N41614, BE251258, BE206242, AI139804, BE568892, BE167927, W60990, AA938698, AW123977, AI277845, AU157402, BE779493, AI446258, AA428518, AA173161, BF665318, AU149714, BE254621, BE256334, BF697404, AA044422, AI610693, AI199947, BE892142, AU145571, BE942074, BE251120, BE778679, BE259336, AU157302, AI277847, AA232235, BF670948, BE897719, AI805395, AU149985, AI167436, N29614, BE252846, AA043056, N36836, BE251135, BE779720, AI805578, AI270327, AI953464, AA991576, AA316093, BE972322, BE169245, AW117303, AI273961, AA137212, AA613297, AW382625, AA242927, R77404, AA21413, BE251873, AI221899, AW898310, AU156641, BE390058, AA425687, BF239718, R77403, AI424171, BE086930, AY708373, BF001359, AW089313, AA043875, R25062, AW530552, AV29444, W25906, BE077210, AW514120, BE168400, R12876, AA661679, T40505, BF088768, BE168038, T27703, BE168460, BE168466, BE173141, BE168370, R45401, AW854141, BE898191, AA853280, AW793427, AW793428, BE825199, T47627, AI400938, AI954212, BE781971, AW385096, R29436, BF095426, BE168458, T39281, AI001170, N85273, BE221694, AV743002, AW157449, AW161653, AW157817, Z21205, P26271, BE974096, BF747174, R41267, AA365029, N86125, R41266, BE618637, AW580327, BE073354, AW385084, BF742784, BE162250, BE073297, AW580347, AU149931, BE073286, BE667401, X70649, AC00278, AF222733, AI223068, AF222732, A74734, M92439, AW84974, AK00153, AI117457, AK000486, AK00435, AI012755, AF130089, AF112208, AK026857, AI122110, AK026688, I08158, AI137259, AF083555, T39324, T47626, R12877, AA182491, AA480433, AA879234, CI4066, and AW263928.
			15 - 458	BF686413, AA172312, BE280965, BF027045, AW732580, AW245781, AW245685, AI922686, BE261601, AI752241, BF724479, BE278353, AL045207, BE735320, AW162793, AW239365, BE382409, BE383980, BF037301, BF308536, BE781436, BE797824, BE268321, BE262144, BE731292, BE733603, BE734713, AW663323, AL520921, AL531792, BE903671, BE903610, BE410055, BG107222, AL517770, BF979786, BE732947, BE88714, AW73017, BE391917, BG115216, BE127715, BE308038, BE14417, BE260247, BE408288, AW250530, BE735006, BE902627, BE019168, BG116714, BF795384, BE269556, BE903782, AW732949, BE268384, BE383309, BE279030, BE280838, BE382735, BE278656, BE312285, BE561530, BE734379, BE902509, BF689380, AI815398, BE792513, BE903567, BF304602, BE281170, BE262670, BE561790, BE391391, BE279176, BE735055, BE560537, BE391848, BE390588, AA360149, BE261481, BE313043, BG008258, AA223817, AA314658, AU076526, BE262008, BE382475, W44751, AW960376, BE387281, BE281148, AW083164, BE312928, BE259589, BE312581, BF516894, BF514910, BE262642, BE737459, AI123512, AF100752, AC00472, M30143, and U11760.
HOOKH25	639	103132	1 - 3762	AL517769, AL520920, AL520921, AL517770, AL531792, AU125829, AL531791, AU124376,
			15 - 3776	

9

BE731292, AI017298, BE735006, AU120387, BF794602, BF526537, BE792461, BE903671,
BE734713, AW024419, BE903610, AA642219, BE796002, BF796372, BE735320, BE734379,
BE732715, BE797824, BE732947, BF970105, BE900289, BE561530, BE903567, BE268521,
BE742191, BF981332, BE563105, BF984390, AI951753, BE900268, BE685476, BF791975,
BE900263, BF688757, BE26101, BE798409, BF037301, BE984474, BE382409, BF791112,
BE900706, BE731097, BE746965, BG119696, BG259694, BE262642, BF304404, BE733603,
BE383309, BF795449, BE269556, AW081459, BF795384, BE902627, BF983893, AW148873,
BG115216, BE740413, AW474138, BF038593, BE872963, BE781436, BE279030, BF344773,
BE731285, BE884226, AW003662, AI973118, BE391163, AI824151, BE260928, BG118916,
BE887714, BF344389, BE792577, BE383980, BF027045, BF785431, BE902509, AA773468,
BE730074, BG170961, BE253728, BE294996, AW732949, AV724100, BF526468, BF344801,
BE895051, BE540861, BF689314, AI955325, BF791828, BF308536, BE792513, BE382735,
BG107335, BE390023, BE735055, BE613356, AI565761, BE620532, BE560537, BG107222,
BE262144, BE391191, BE410548, BF317364, BE869582, BG024898, BI979786, BF316894,
BE042688, AI686932, BE312581, BE410762, AW162688, BE889945, AW732580, BE259418,
BE280838, AW239365, BF766848, BE730179, AI859074, BG165376, BE745146, BF997581,
BE892306, BE278353, BE903782, BE537822, BE894698, BE408238, AI827029, BE731591,
BE264718, BE278656, BG171566, BE729155, BE382475, AW088539, BE410055, BE280641,
BE561790, BE389305, BE264296, BE207138, BE781234, BE268334, AW182681, BE273006,
BF683749, BE612624, BE881070, AW936952, AW372205, AW245781, BE889017,
AW732121, BE312928, BF315182, BE879144, BE259589, BE892544, AA872184, AW162793,
BE293217, BE391848, BF795868, BE879296, BE387240, BE313689, BE514299, BE881942,
AW66217I, BE262670, H95242, AW245685, BE789540, BE391917, AI205206, AA769657,
BF689380, BG116714, AW960376, BE263047, BE734033, AA621968, BE903443, AW731017,
BF304602, BE207893, BE907060, AW474983, BE313043, BE785738, AW364257, BE894614,
BF724479, BE279176, BE900672, BE280965, AA306149, BE390538, BE537738, AA604299,
BG253168, AI922686, AI991237, BF980089, BE298109, BE261481, BF571545, W38423,
AA847164, BE338920, BE410280, BF308038, AA748445, AA833044, AA583014, BE543342,
AI392827, W60953, BE261601, BF686413, BE206533, BG164099, AI689260, BF984648,
BE540468, BE206647, AV171882, BE259789, BE278815, BE620928, AI379636, AL045207,
AA614311, AI375377, AI452850, AF100752, M30143, UI1760, ZI4044, AL137377,
AFI22048, AFI13485, AF313486, AC005259, AC004472, Z70768, AFI22047, AR038863,
T49430, T39608, T39610, T40697, T49431, T91991, T92075, R00570, R00674, R12889,
R16317, KI7166, R17919, R18012, R21041, R34226, K35552, R41283, R41394, R43263,
R41283, R41394, R43263, R69121, R69240, H10384, H10590, H15663, H17419, H17418,
H60450, H60497, H83595, N31466, N44274, N51210, N72512, W17051, W40215, W44751,
W45437, W52648, W58732, W67761, W6774I, W72214, W74143, W77958, W80752,

2145

Name	No.	ID	Range	Accessions
HDTIL75	640	1031435	15 - 1487	W80840, W85600, W85743, N89636, AA009995, AA009996, AA041475, AA052977, AA053555, AA053566, AA053470, AA065021, AA069177, AA069242, AA076347, AA113355, AA113434, AA130364, AA134930, AA134898, AA172161, AA172312, AA223730, AA223817, AA236441, AA243151, AA262958, AA279182, AA502675, AA502802, AA515597, AA548671, AA548861, AA552013, AA554402, AA564386, AA586795, AA600782, AA600778, AA612680, AA627696, AA578148, AA578159, AA737632, AA743833, AA744872, AA768319, AA770620, AA808374, AA811781, AA827211, AA838486, AA858354, AA863193, AA907469, AA907497, AA917757, AA923393, AA939271, AI024999, N85194, W21986, W27718, AA642323, AA650539, AA652639, AA248608, F20201, AA488325, AA676629, AA723536, AA725773, Z20891, AA780860, AA843374, AA844319, AA852971, AA852972, AA853594, AA853595, AA852335, AA854454, AA789190, AA984388, AI026062, AI031945, AI040593, AI087808, AI092250, T23066, T23067, T15455, T20244, F03550, F03767, F13645, AA701479, AI268513, AI268568, AI197791, AI285556, AI302198, AI334792, AI339101, AI339271, AI340954, AI343015, AI344766, AI357050, AI357262, AI358413, AI359493, AI366890, AI470112, AI424652, AI469560, AI421728, AI422942, AI567578, AI568256, AI571032, AI571550, AI571559, AI130844, AI625537, AI627615, AI188068, AI191677, AI659567, AI248684, AI283017, AI587063, AI610380, AI610421, AI640433, AI674436, AI675441, AI691156, AI701299, AI799210, AI817694, AI801747, AI865868, AI886463, AI887574, AI888638, AI950906, AI955399, AI955939, AI990198, AW029098, AW083759, AW087874, AW088914, AW075784, AW078588, AW130765, AW151405, AW189845, AW191862, AW295572, AW303768, AW439756, AW474205, AW512230, AW517572, and AW518389.
	1031435		1 - 1473	AL525996, AV683597, BG169538, AV725955, AV764341, BE884035, AW953224, BE336842, AI935589, AI952759, BF030731, AI912341, BF034469, BF334207, AV726875, AW361333, AI760708, AI740664, BF876675, AW854201, AA126440, BF361260, AA126547, AW004025, AV690108, BF364253, AA374854, AA569874, AI359973, BE208051, BE781651, BF998663, AA128145, BF355778, BF734000, BE566675, Z45193, AW182538, AA424133, AI433942, AA095328, T33320, BF736750, AA505114, AI370560, AA216128, BE892492, BF365395, BG014127, AW339451, BF223694, AA069580, AA069607, AA425032, T16316, BE350697, AA722003, AA126980, AA659722, AI491840, AA282590, AA262021, W74044, W74284, Z40918, AW955087, AV135564, BF925321, AV685598, Z82195, AK000031, AT220185, AK027029, AF168713, and AK025354.
HPRSB55	641	1031451	1 - 2118	BF740238, BE396502, BG121152, BG166305, AA725894, BE856956, BE560549, AV725381, BE788322, AI151174, AA725843, AI796778, AA631182, AI684470, AI758791, AA307128, AW517402, AW950447, AW400321, AW873141, AI131094, AW082953, AA282254, BF836375, AW629203, BD042724, BD042802, AA456796, AV593026, AI810099, AI554493, AI589210, AI681923, AA476490, AA811662, AI034159, AI005154, AA429074, BE514170,
			1 - 2132	

HPDPY36	642	15 - 1139	1 - 1125	103160 6	R97762, AI191396, AA476857, AA099794, AW302374, AA725788, AA468369, AA449161, AI242645, AA308180, AA969987, AI248326, AW243798, AA150879, AW339134, AA586526, AA809910, AA282728, AA705843, AA662763, AW572576, AA044262, AW439479, BF438858, R15144, AA150771, R63052, AW294281, AA631273, AI525922, BF941675, R01283, AA374952, AW874139, AI351485, R62995, AA044146, R97763, AW192610, AA622172, AI243972, AA096016, AW273620, BE006553, BG026108, AI005621, AW196432, AI611138, AA090320, BF735062, T77524, AV659097, AW384989, AF168418, AF197574, AR032015, I40371, AK000433, and 258192.
HETFJ47	643	15 - 1781	1 - 1767	103192 2	AI286191, AI380986, AA833766, AV685121, AI684915, AW445111, AI078315, AI409850, AI074944, AW083620, AI333829, AW410643, AA862712, AV692765, AV691674, AW630406, R28360, BF054960, BG034066, BF220235, AI951634, AA553484, AW083851, AI298559, BF222680, BF002293, AA456610, AI742128, AV714945, N79442, AU154935, AA293551, AW613671, AA745871, AA45711, BE300685, AI865039, AI421011, AI436231, AI472002, AI080216, AA989354, AA973505, AA629630, AA863374, AA953282, AI421211, Z38938, BE858784, BG033474, AI743335, AA507434, AI135633, T68735, AL521527, AA247823, A442055, BG056806, W80729, AA337554, BE280767, BE236109, BE277425, BE277346, BE409965, BE744735, AU124270, AL521528, AW960789, AA293550, BE885112, W78830, D19872, AA011488, BG167001, BI612990, K5II46, R58147, BE410071, W07812, AW242007, BF307924, BF032930, AK001789, AK001235, and AF125182. AA910946, BE795828, AI411193, BE901965, BE797702, BE733565, BE902040, BE736900, BE901113, BE304538, BE799665, BE733825, BE733342, AW370766, AA773478, BE539912, BE280632, BE901394, BE744972, AI147187, AW612924, AW245820, AW084163, AA827996, BG171354, BG004649, BI019577, AW958909, AI654448, AI627563, AI445660, BE265415, AI925490, BE266374, BE301538, AW955959, AW370781, BE044092, AI261225, BE267493, AA444056, AU158829, AI860488, AW780063, AL521838, AW673660, BE393046, AI339998, AA662124, AA628649, AA916472, AW206617, AI082028, BE019726, AW293553, AA588398, AA781244, AA100487, AL526812, AA444074, AW732928, BG170833, AA662089, BE796246, BF984794, AW363526, AW169569, BE539623, AI619549, BE267273, AL522637, AI272817, AA099576, AA626735, AI476556, AA563618, BE880158, AW005594, BE407731, AI669785, AI694033, BF108798, AW370776, BF033906, BE280141, AA100486, AA130971, W31417, AA838073, BF817639, BE927305, AA826578, AI869910, AI694055, AA317651, AW128848, BE814008, AI285208, BE726872, AI516968, BE732800, AI813824, AI700255, AA548132, AV748948, AW374533, BF761078, BF761129, AA983604, BE410292, AV245780, AI688313, BG009699, BE172513, AA102239, AV746613, AW374457, AA337602, BE276474, BF808956, BE300492, AV746614, BF002398, W04536, AA774600, BE396111, BG012408, AA384358, BE387107, AV746731, R00451, BE386995, W92449, AA336823, W92448, AI401368, AW087441, AI269310, C06239, AI30960, AI991651.

HMAM21	644	103198 8	1 - 2234	15 - 2248	M85399, R00450, BE760594, AI625478, AA016201, T04952, BE645721, AI654393, AW438953, BF001837, D30892, BG122019, AA954856, AW374478, AI804856, AA100202, AI272981, AW439050, AW374583, AA927954, BF092383, AW374501, AW374602, BF752651, AK002363, AP020797, AX013089, AF067146, AC011475, Z83841, AF139409, AI054325, AF139410, AL389983, AK025857, I48978, A93350, AX010492, I89947, A08913, AL389935, AL389939, A08912, AB033881, AF177401, AL133113, A57389, AJ012755, AF111112, AL137271, AF260566, A08910, Y14314, X81464, A08909, AK027081, A08908, AF130066, AR088266, AK027213, X83508, I03321, AK025524, AR011880, AF132676, AL117394, AR038854, AL162002, AF061836, AF100931, L13297, AK026528, AL133075, Y09972, A08916, I88931, AB048975, AK024533, AL133357, AB007812, AL117457, X60786, AR087170, A08907, AK024992, AK026762, AL133093, AL137550, AK000690, AF116631, AL133560, AF130104, A18777, AF113694, AF067728, AX042059, AB048888, AL137478, AK000137, AB047941, AL359596, AK025084, U55017, AF155827, AB048964, AK026597, AL133080, AL049314, E02349, AK024538, E06743, AK000310, U49434, AF217982, AL137574, X84990, AK025015, I09499, AK000206, AL133565, AL133031, AF081197, AF081195, AF271350, AK026550, Y11254, AK026057, AB050533, AK025254, AL110225, AL117432, AL389982, I89934, A21103, I48979, AU050277, U95114, AF217987, AL136842, AL137275, AL359020, D16301, AL050092, S76508, AL122123, AK025462, AF031903, AF116644, AF162647, I33392, AL133640, AL117416, AH153205, AF111849, X67688, AF026124, AB030431, AF079032, AF262032, AL122118, AB047904, E02221, B01614, E13364, AK026857, AF032666, S68736, AK024524, I46765, AL133054, AB048953, AU000937, A77033, A77035, AF112208, AK026885, A49139, AK027182, AK026452, AB032264, AF185576, AK025465, AL353935, U42766, X98834, A08911, AF116682, AF175983, AK026593, AF077349, AK026591, AL137559, AK026542, AR013797, E03348, AF090934, AK000418, AL049283, AU049430, AR038969, A76335, AL117626, AF118090, AL117583, AK026741, AL137459, AB048954, AF080622, AF130105, AR056191, AK025239, AL122100, AF090900, AB024524, S77771, AF130077, AF130082, AF321617, U78525, AF090901, AL122121, AL133112, I89944, AF207829, X63410, AL133067, AL133558, E05822, AF116610, AL080159, AK026583, D89079, U58996, AF079763, AF219137, AB052191, AK000323, AF061981, AL137294, U35846, AL133665, AK026506, AK026600, AF314091, AF067790, AF017437, AL137526, AK024588, AF054599, AF119899, AF119875, AF130055, X87582, AL110196, and AF087943. AW054799, BE271837, AV721846, BE745592, BF725507, AA683301, BF001820, BE645976, AA493369, AI478433, AW272169, AW043832, AW629090, AW970817, AI632954, BF883899, AW341082, AI037911, N73299, AW183622, BG149229, AI554533, N80298, AW079953, AA010682, AW237610, AI470926, AW419057, AA195080, AI627833, AA195179, AA563670, AW590266, AI168477, N64510, AW771214, AW340086, AI767341.

2148

AI471443, BE859026, AA010683, AI280079, BE673297, AI244821, AI381283, AW300130,
BF111830, AW183374, AW195397, BG180689, AA136805, AW37398, AA304486, W02363,
AI824598, H95231, AW573004, AW805136, AA136706, AI127082, AI126937, AW748455,
AW875459, Z98448, AA905255, AI497883, BF561367, AW236721, BF348910, AW975618,
AI347010, AW965175, AW966053, AW960532, AV719188, AW959597, AW960465,
AW959970, AV699550, CI4331, D80024, AW966029, D59467, AV719557, D58283,
AW956397, AW966041, AV719468, AV718489, D50979, AW966534, AV717307,
AW973541, AW973482, AV724520, AW966022, AW965185, AW965197, AW973474,
D59275, AW966013, D80043, D80195, AW966050, AW975621, AW978648, D80227,
AV718707, D80164, AW966054, AW966531, AW966065, AW966062, AW959136,
AV719783, AW959062, D59502, AV718800, AW960553, AV720464, AW973334, AW978634,
D80188, AV699927, AW964468, AW958993, AW962082, AW959799, AV720731,
AW966043, CI5076, D59859, D80022, D80166, AV720812, AW965177, D51423, D59619,
AW978661, D80210, D51799, AW965163, D80391, D80240, D80253, AV719822, AV720791,
CI4389, AW959582, AV720203, AV718692, AW964756, D59787, AW966075, D80269,
AV719324, AV718440, AV718938, D81030, AV720028, AV718633, AW959628, AW975605,
AW973485, AW965184, AW973488, AV720211, AV718931, AV718844, AV718770,
AV699447, AV722801, AV723927, AW964477, AW949641, AW949654, D80038, CI4429,
D80212, D80193, D80196, AW752082, D80219, AW966059, AW975613, AW960473,
AW964737, AW958992, AW965158, D59927, AW965196, AW959202, AV720878, D80378,
D57483, AW956434, AW964488, AW949656, AW949642, D80366, D59889, D50995,
AW962245, AV973447, AV973330, AV700229, AW949646, AV959658, D59610, D80045,
AV723097, AW966023, AA305400, AV753053, AV701004, AV721386, AW949629,
AW949632, AW949657, AW960454, D51060, AW949653, AW949645, AW949633,
AW949631, AW949643, AW949618, AW949655, AW178893, AV700889, D80241,
AW966030, AA305578, AV699746, AC024168, Z62057, AX034763, AX027925, A84916,
AX033851, AJ132110, AR070327, AX047064, A62298, A62300, AR018138, AR008278,
AX021518, AJ302649, AF058696, AB028859, X67155, AX035434, Y17188, D89785, D34614,
D26022, AX020190, A25909, AX020191, A67220, A78862, AX047062, AR087649, D88547,
A82595, Y12724, X82626, AX028130, AR060385, AR077702, AB002449, AR025207,
AR016808, A26615, AR052274, A94995, I50126, I50132, I50128, I50133, AF260572, A30438,
AR074139, AR008443, AR016514, AR066488, AR066487, AR074136, AR060138, A45456,
AR074545, AB012117, Y09669, AX015396, A43192, A43190, AR03669, I14842, Y17187,
AR054175, A28739S, A85396, A44171, AU088705, AX043372, AR016691, AR016690,
U46128, A85477, AR074141, AR066482, A86792, AR008277, AR008281, D50010, A63261,
I19525, AR008408, AR091537, AR066490, X93549, AR063872, A70867, AR093385, I18367,
I79511, D88507, A64136, A68321, D13509, AR060133, X68127, Z65851, AR071754,

					AFI23263, X72378, AR032065, and U79457.
HCOQQ085	645	1032475	1 - 796	15 - 810	AA527275, BF739761, BF671674, AI021993, BE788289, AA708317, BF339011, BF698698, AI056032, AA177007, BG109574, AI084881, AA719512, AI092038, AI149297, BE250762, W72756, AI885493, AA025332, AI347596, AI127378, AW960136, AI150597, BE537772, AW055350, BF669977, AI309300, AA807990, BF025746, AI299357, BF026935, BG179200, BI752877, F36957, AI167238, AI144250, AI817728, W37211, AA587383, AI301868, AI150853, AI146973, AI128060, AA757709, N36768, W93604, AA977154, AI870720, AA143022, AA652196, AA569637, AW016423, AA908239, N20465, AI168024, BE300559, AW392903, AW249089, W61069, W25494, AI073715, AA206039, AI129656, T7842, AA827356, AI301287, AA886216, AI079179, AA885836, AA962319, AW248654, AA888169, AW316772, AW050956, AW273669, AI189120, W77955, AW780042, AI312121, AA581114, BG248514, AI422787, N78693, BF102734, AI340959, H88181, AA321706, AI188708, AA150913, AA024487, AA813766, AA873718, BF697972, AW009296, N25492, BE502884, AI352608, AA714470, AW009290, AA548148, F34753, AA358375, AA586392, AW272941, AI541308, AI905953, AI435287, AW392845, BF677448, N31676, BG114546, BF752843, AA376127, AW272937, BF763217, AA937389, W25732, AI471041, W33168, W02662, W61070, AI905948, AI905949, AI185169, N93627, BF680643, AW873384, AA494189, AI373543, AW176052, BF764929, N94001, AA367465, AI194089, BF853542, AA070489, AW176041, AA928311, R63598, BE045202, BF853680, BF853544, AI085401, AA373625, AA366558, BF854499, W33142, AI192334, BF913336, AA953271, AA366974, AA364489, AA092278, AI203772, AA070661, AI905950, N22648, AI718915, N53822, AA634161, BF664967, BG005760, W33143, F18245, AA728797, AI024909, AA026881, AI001941, BE175249, AA779647, C03405, AA366085, AI074923, AI094487, AI766664, BE774269, AA635566, AA63574, AA535812, N45928, AA976918, BF853551, AW975850, C00369, AI862619, AI862613, AA578205, AA548598, X99920, AR065359, AX038714, AB001567, and AS2250.
HE2DQ62	646	1033653	1 - 1566	15 - 1580	BE276086, BF799426, BE869452, BF026338, BF317399, AW902382, BF794897, BG114881, BE730504, BE889582, BG170450, BE729071, AW273311, BE383027, BE588081, BE546242, BE389443, BE872888, BE728904, BF382090, BE393294, AW516676, AI498244, BF724969, AI598225, AA873418, F1242, AA600326, BE045808, AW148628, AA642725, AI000969, AA506332, AI751726, BE301180, BE543750, AI479038, AI048061, AA232924, BE378196, AA558785, AI048062, AA961507, AA340658, AI400895, W95585, AA662500, BF033521, AA548895, BF975491, F36168, AA082145, AV750413, AI423491, AA994430, BF430965, AI824366, AW177763, AI816593, BF904786, F36493, AW60312, BF525624, BF902062, BF911340, AA491695, BG232062, AA101158, AW082900, AI828034, AV001969, AI422611, BE838159, AW696607, AI134524, AI309801, AW968148, AI045328, BF958854, AW969848, AI057436, AL038838, AL038983, AL037435, AW969653, AL038352, and AS2250.

AL037727, AI142134, ALN41347, AL044162, ALO40193, AW970540, ALO40621, ALO43558,
AL043496, ALO40464, ALO38822, AW970082, AW970076, ALO41238, AW969911,
AW976040, ALO43923, ALO43814, AW969677, ALO44186, ALO39360, ALO40617,
AW968150, AW969624, AI040463, AW969634, AW968212, ALO47170, AW969934,
AW974805, ALO43845, AW969778, ALO41324, AW970079, AW969664, AW970105,
AW969691, AW969936, AW969961, AW970101, ALO44037, AW969648, AW970093,
AW969916, AW969621, AW969926, AW969631, AW970118, ALO40444, AW970074,
AL047219, AW970108, AW970069, ALN41635, AW968190, AW970095, ALO40294,
AW970531, AW969632, ALO45753, ALN41098, AW970096, AW969625, AW970023,
AW970070, ALO44064, AW970122, ALN41459, ALO37343, ALO41577, ALO40625,
AW969958, ALO45684, ALO41752, ALO37443, ALN46850, AW970003, ALO40768,
AL040510, ALO43467, ALO46994, ALO46914, ALO40052, ALO47064, AW968207, ALO43677,
AL040839, ALO43492, ALO41602, ALO44074, AW970107, AW968204, AW969626,
AW968340, AW970013, AW970054, AW970020, AW970115, ALN41730, ALO37323,
AL041523, ALO43627, ALN41374, AW968126, ALO43848, ALO43570, ALO46642,
AW970053, ALO40576, ALO42135, ALO37335, AW969676, ALO42898, AW969651,
AW970014, ALN41163, AW389310, ALN41133, ALO42096, AW968147, ALN41096,
AW968191, AW970032, ALO45671, ALO40472, ALO40322, AW968196, ALO39316,
AW970050, AW970084, ALO40119, ALN41296, ALO46392, AW970535, AA249496,
AW970036, AW969642, ALO49018, ALN41246, ALO38761, ALO44272, ALN41086,
AW968200, ALO44258, ALO41168, ALN41159, AW970025, AW970119, ALN41358,
AL041955, ALO47057, ALO45920, ALO40148, ALO45990, AW968347, AA513400, ALO40458,
AL044187, AW969932, ALO41233, ALN41346, ALN41292, I28936, ACO07229, U41805,
I28937, AI276256, ALO96545, AFI44029, X81969, D50010, AX032992, AX032993, AX028305,
E03627, I48927, AI244004, AI244005, Y16359, A98767, ARO80470, ARO77142, AX020190,
A23334, A75888, I70384, AX001322, ARO91393, A60111, A23633, ARO07512, A25909,
AX009487, AX008555, AX026824, AX026823, ARO88705, I84553, I84554, D78345, A81878,
AX033488, AX001082, AX033449, AX033490, AX033474, AX033486, AX033487,
AR079804, A90655, A02712, ARO73846, A77094, A77095, A95051, A18053, AR095492,
AX009712, ARO69650, A20702, A43189, I06859, A43188, AX006825, AX006826, AX006822,
A35536, ARO31566, A02135, AN4663, ARO38855, I00682, A11623, E00609, E13740, A1117B,
E01007, I13349, I44681, D13509, D17247, I05558, ARO43601, Z32836, A85395, A85476,
A93963, A93964, ARO62872, I63120, ARO62871, ARO17907, ARO62873, A18050, AX012337,
A231028, A11245, X83865, A84772, AX021518, A84776, A84773, A84775, A84774,
AX006821, ARO67731, ARO37157, ARO54109, ARO67732, AX032758, A58522, A91750,
AX035462, AX042372, M28262, AI270780, ARO84891, I15717, A22734, I03331, A02710,

HEBAE89	647	1034320	1-571	15-585	E12615, AX018504, AR035193, A92133, E14304, A07700, AX027811, AX027809, A13392, I62368, AR031488, I13521, I52048, A27396, AX027813, AR069374, AR027100, I49890, I44531, I28266, AR069375, AX042377, AR083151, AX027812, AX027810, AR091518, AX027816, AR072535, AX027817, AX027818, AX027814, AR085082, AR085089, AR085091, I21869, AX042373, A91965, I44516, A70040, AR085079, E16678, AR085083, E16636, AR074365, A93016, AR093392, AJ230902, AJ244003, E17098, AX006816, A20700, A98420, A98423, A98432, A98436, A98417, A98427, A86792, A24782, A24782, A35537, A02136, A04664, A95117, A46012, A60209, A60210, A60211, AR095490, AX006823, A58524, A58823, D13316, I01995, AR025273, I25027, AR069426, I26929, I44515, I25928, I26930, I26927, I08051, A93923, AX011024, A64973, AF149828, AJ231009, I08395, A11624, AX035980, A10361, AJ230867, AJ230951, I19525, AR070327, I60241, I60242, AR093383, AR091537, A70872, AJ276257, AR063812, I15718, AR069417, AB043473, Y14219, A22738, I05845, S60422, AJ2699, E00696, A13393, E00697, AX030368, AX042375, and AX001330.	BF347572, AW958277, BG236334, AW405615, AJ20497, BF805442, ALO42964, BG117750, AL527844, R92423, AV684866, T77218, AV742001, T81565, AV684904, AV745080, AV742520, AV742467, AV743601, AV718844, D51250, AV720464, D80227, AV742720, D80219, AV744934, AV741012, AV72801, R24348, D80253, AV720731, BF203696, D5927S, AV740535, AV744773, AV710017, AV700229, AV701043, AV737584, AV718858, AV743654, AV699447, AV701248, AV744768, AV723927, AV718692, AV701166, D80240, D80210, AI363890, AV701332, AV701443, AL045960, D80043, AV701154, AV718681, AV701125, AV721784, AV741888, AV719783, AV718489, AV701261, AV701012, AV701118, D51423, AV701428, AV745724, AV743008, D80199, D80291, AV700889, AW97344T, AV745392, AV701431, AV699479, AV701163, AV720034, AV699927, AV745723, C14227, AV720607, AV744771, D59619, AV745369, AV745488, AV723097, H78758, T11051, AV744770, BE304914, AV720812, D80949, AV745366, AV744635, BE305201, D59927, AV745621, AV745831, T11417, AV738934, D80168, AV719000, AV746335, AV699746, D80196, AV745490, AV708420, AV701121, AV744612, W68036, R28182, AV708422, D59787, BF930610, AV699550, AL043422, AV701004, AV701422, AW949645, D80366, AI557751, AV720203, AV745583, AV700495, D80045, AL039150, AL038821, AL039085, AL043445, CI4014, AV719913, AV701149, D80134, AV701335, AW063553, AV701151, AV701055, F13647, AV701145, AV701146, T23947, AV745411, D81026, AV701357, D50995, AW965158, D80038, AV699682, AA883867, AW975618, AV742671, T83811, ALO43423, AW064110, AV19324, BE294711, AV699480, AV699669, ALO43441, BE018654, D58283, C75259, BF842890, AL039156, AV745388, D81030, AV19822, AV745902, D80195, AV18770, T24119, D81111, D51799, D80188, I03269, AW959570, D59889, AV718800, BF090381, AV720211, AV745920, AV745849, AV718707.

D80022, AL039564, AL039538, AL039108, AV700895, AW966053, AL039678, AW978634,
AV746102, AV758878, AV719468, AL039074, AL038837, AL039625, AL039648, AL039629,
AV720220, AL039509, AV701150, AL037726, AL038531, AL039566, AV701231, AI293456,
BE706323, AV721386, AL039109, AL039659, AV699866, D80014, AL040992, AL039924,
AW960553, D59502, AV701130, AL039128, AL045794, AL044407, D80378, D80522,
AV701044, AL036973, AW964468, AA285331, D80212, AL045337, AL037051, AL045353,
AW949641, AW949632, AL039386, AL036725, AL039423, C14429, BF294463, AV735727,
AV745350, AL045341, AW966531, AV717989, AK000264, AF264752, X68127, AX027925,
A67220, AX021518, AX020190, Y17188, A25909, AR025207, A8S396, A85477, D34614,
AX047062, AR088705, A86792, AX042372, AR074111, A44171, AR066482, AX026824,
I18371, AB037923, A62298, A62300, AR062871, AR008430, AX047063, A43189, A43188,
AR037157, AR017907, A84772, A84776, A84773, A84775, AR062872, A84774, AR062873,
AX006821, AR067731, AR067732, A20702, AR079804, A58522, AX035462, A20700,
AR093385, A91750, AX026823, AX006823, AX006826, A84916, A97211, AX001082,
AX006622, I92483, AX047064, AX033851, AR092424, AR071572, AX003194, AR038286,
A97221, AR095491, Z96142, I03664, A15078, E00533, AR072501, AR072503, AR072502,
AR095490, AF261964, AR036905, AI244003, AI244004, AI244005, AX046223, X73004,
AX046357, AX020191, AX011024, AR095492, AR091537, AR073846, A95051, D26022,
D14548, A98767, AF156296, AX006816, A38214, AR070327, I00074, AF261959, AR080470,
A95117, AF261961, A02712, AF261966, AR077142, AF261962, AF261961, AX006820,
AF261963, AF261967, AX026821, A95052, Y11923, A93963, A93964, I56772, I95540,
AR018924, I63120, AR031374, A18053, I06859, AX033488, AR038762, I19516, AX035632,
A63067, AX035630, AX033489, A51047, A63064, AR018923, AX033490, A48774, A49700,
AR031175, I03343, A63072, AX035631, AX001325, AX035629, AB050005, AX001326,
AX023555, A23334, A75888, I70384, AX006819, AX023554, A48775, A18050, AR083151,
AX001323, Y11926, AR068507, AR068506, A60111, AX001324, A23633, AX023556,
AC069451, AX033474, AX033486, AX033487, AR043602, AX003207, AR007512,
AR043603, A23998, AR015960, AX023550, AF261968, AR043601, AF019720, AX006818,
AX023549, I66495, AX001322, AR000007, AR015961, V00745, AX023552, AR036903,
A58521, I66494, AF156294, S70644, D28584, AX006817, AX023547, X67155, AX009712,
AX008555, AX012337, AX023551, I66498, I66497, I66496, AX023546, I66486, I66487,
A35537, AX023553, AR020969, AX006823, AX023548, I60241, D88594, I60242, AR018138,
A02136, A04664, I03665, AR054109, AR072500, A58524, A1302649, I12615, AX018504,
AR051919, A64081, A92133, A58523, AJ132110, A10363, A13393, AR016808, A82595,
AI1878, A1279808, AR096518, A27396, AX030369, A24783, A24782, AX030368, AR027100,
I28266, E16590, I00077, AR022240, AX042377, AX035980, AR091518, I08250, A51384,
AR069650, AX042375, A35536, and S78798.

HKDBF43	648	1034471	1-703	15-717	AL521067, BG254653, AW973521, AL538244, AI885741, BG054923, AV714089, AI335244, BG030440, AI260906, AI027424, AA579704, AA777627, BF238809, AV713226, BE564548, AA992926, AA445937, AI356231, AV713098, AI361152, AI032967, BF589467, AI361064, AA470634, AV754963, AA854242, AA700602, AV695307, BE245579, BF760385, AA995030, AA248187, T93683, AA015679, BG249798, AI582957, AA093306, AA005822, T93633, BF360248, AA013163, AA773481, AA831583, AA829772, AI218445, N91079, AA243830, AA585313, AA243751, AW798023, BG058272, AA906550, AL049705, Z99297, and AI033113.
HVVCT43	649	1034539	1-3825	15-3839	AL513621, BG108364, BF981991, BG251062, BE277090, AW955958, BE878444, BE733803, BG168247, BE277399, BF668085, AV650071, BE786362, BE707568, BF669676, AW972542, BE684894, BE391809, AA314262, AI698145, AI751509, BF665920, BF573738, AI751508, BF697493, BE564902, AW960775, AW582252, AT65378, AV582244, AW439242, BE665612, BF666904, BG116422, AW582251, BG057825, BG113388, AW814405, AW503987, AI00793, AI983094, AI819921, BE813900, AI889488, BF027863, AI691017, AI478725, AW173684, AI356867, AW513228, AA954665, AA770272, AI418367, AI768787, AA639199, AI63169, AI579948, AI828611, AW511444, AI923258, AI635118, AI952782, BE464454, AV749304, AI635010, AI683485, BF700402, BF792987, AW304822, AI963627, AI347373, AI278264, AA187540, AU153764, AW74355, AI373090, AI860395, AI637577, AI982534, AA130169, AI561081, AI642071, AA773349, AW129973, AA287318, BF030304, BG058636, AW304817, AW512939, AW379208, AA854659, BE541922, AW514020, AL513622, AW130866, AI624071, AI167846, AI566584, AW591196, AI984745, AA305439, BE301698, BF699770, AW591595, AW517070, AI683773, AA747281, AA451739, AA287399, BF697324, AW058417, R59469, AA255886, AA587659, AI567698, AI986135, AA488133, AI961717, AA689402, BF668997, AW572352, AA282616, AI744496, BF383062, AA488134, AI559255, AI858347, BF217682, AI887129, AI684490, BF674704, AI274756, BG114332, AA444697, AW150281, H24906, AW473915, BF512979, AA730687, AW055340, BF815344, AA472334, AW513812, AI492872, AW169998, AW571720, AW514071, BF184666, AA970450, AI288077, AI636153, AI950042, BF594373, AI858187, BE540403, AL037168, AW139022, AW391166, BE094675, AI88974, AA978256, AI189233, BE274007, H01983, AI151230, AA256684, AV657239, AI861989, AA694475, AI273008, AA644170, AV655955, F09244, H01972, H02063, BF216051, AI860650, AI273026, AW517510, K70971, BF218858, H26483, AV697460, AI873591, H13596, AA334853, AA256683, AA336954, H02078, BF675733, AI824564, AI399762, H44525, AW189754, AI565023, AW91524, T93742, BF208299, AA354340, AW571751, Z43173, AA337732, AW591124, AI275201, AV695254, AW814497, AA907212, T96248, AW297887, Z39255, AI873453, R75751, H44530, R70923, AI567238, BF695847, H26324, AA354807, AA918265, AI284207, AA336921, AA337310.

					Accession Numbers
HTTDR30	650	103543 5	1 - 1010	15 - 1024	AI634443, BF335551, H91570, AI868395, AA775352, AA71517, AI638129, R12808, H13229, R32680, R59470, BE295746, D60252, AA37380, R18527, 298172, Z84466, AI157931, AI025467, AX013095, U82319, AC00522S, AL359763, AR06004S, AL035687, Z65447, AB026436, AR060234, AI251859, AX030435, AX046357, AR080280, AI671, AR066094, AR054110, AR069079, A279014, AR043113, R28489, A2626646, C02323, AA449368, AA634601, AA629599, T24624, AH79533, AI61218, AI886562, AI870106, and AI954448. AW960396, AA308503, AA455444, AL49624, AA402322, W90706, AI908717, BF818192, BF755668, AV659387, AW802965, AA251071, BF727415, AV655464, BE170924, AA251073, AA383483, AI907975, AV694122, AI907976, AV694102, BF906047, AA303211, AI908722, AA251074, AW577424, AA250874, TS1062, AA047652, AL449625, AI633474, AI962727, AI908024, AV264181, AI908023, A492574, AW027558, AV664484, AI590823, AI135243, AW00383, AW013328, BE169107, BE302199, BG250743, AK026760, and AI019839.
HODGG46	651	103560 2	1 - 597	15 - 611	BE152315, AA918309, and AC019171.
HNTTB23	652	103598 8	1 - 4138	15 - 4152	AW118642, AW963160, AA830062, BF963752, AL120970, AI809317, BF954879, AI377642, AI422066, BF575863, AW468223, AI929415, AA171421, AA171788, AW297314, N29248, BF216343, AI708170, AW023408, AI354401, AW771073, C75190, AW593691, N47973, AI929404, AI619874, W42916, BE710356, BE180161, AA814993, M77964, AW977993, BI180263, BE180172, BE180379, BE180159, H03086, W42746, AA721262, BE180151, BE710384, BE710376, AA082664, AW297897, AW970588, AW979200, AW973808, R81661, AW970933, AW975247, AW976008, BE003761, AA101145, AW968167, AW975409, AW975126, AW410844, AV758849, R46188, AW972298, AV712092, AW575808, BF873487, AI283651, AW501278, AW085626, BF725436, AW243817, AI567676, AI570067, BF790866, BE080768, AI823342, AI719383, AI485761, AW429069, BF970107, T07751, AW157128, AL121039, BG180320, AI890283, AI702049, BG059139, AI174827, AW759517, BE049409, AV761497, AU146789, AI734158, AI60814, AI038029, AA652675, AI754257, AW731858, AW072963, AW327673, AV766048, AI826857, AA83491, AW265468, H47461, AV683406, AA618531, AW631267, AL044701, AI701898, AI857834, AV763460, AA554289, BE152006, AI889177, AI003068, BF846619, AI67656, AI884404, AW514844, H29593, BF812696, AI049999, AI620666, AI572680, AI571898, AI571562, AV970064, AI443952, AI000031, BF736912, AA493546, AI174703, BF913232, AA507623, AW148821, AI732720, AI734119, AW409621, AW970877, BE74372, BF942991, BF711562, AV970064, AI443952, AI504667, AW085811, AW963552, AW029626, AW813106, AV966129, AA846014, AW576388, BG059924, AW979098, AW43924, AW337483, AU153301, AA557945, BF111857, AI821901, AI312614, AI355246, BF792103, AI872229, BF679568, BE967607, AI439525, AW839858, AW192930, AW021674, AW970875, AW262946, AW971961, AA132929, AI815770, AI547710, AV729090, AI571094, AA969564, BE24651, BF770872,

AI888050, AW975239, ALI38262, AUI20423, AA584360, AW268793, H86399, AW576299, AH45699, AW962971, AI064968, AA630476, AA524604, AI745666, BE062053, AW419201, AI148840, AW675677, AW408611, BF894365, AA489390, AI538404, AA640305, AW971965, AA631915, AI221027, AI744199, AW510403, N72678, AA493245, AA807704, AW237903, H53546, BE882869, AA669165, BG259634, AA636077, AV732057, AW469462, AI446618, AI828721, N70293, AI167715, AI732327, AI890297, C75332, AW338376, AA171400, AW328185, AL049117, BE150831, AA330549, BG250794, AA661583, AW338633, AW239465, AV728973, AA812133, BF740656, AW516250, BF949151, AII23488, AI282488, BF772886, AW972802, AB029006, AI246001, ALI21658, AI246003, AI246002, AI007387, AC007899, AP001605, AC005071, AP001699, AL035405, AC008521, ALI33551, U93305, AC010267, Z93020, AC005924, AL035587, AL049793, AF196779, AC007421, Z97352, AL353777, AC004797, ALI38706, AL033392, AC008518, ALI38759, AC012153, ALI57150, AC006312, ALI33380, AC010134, ALI33418, AC026431, AC015600, AC020956, AC008753, AC004525, AC010582, ALI39100, AC009477, AF274857, AC007956, AC005257, AC006440, AC010326, ALI17336, AC009314, ALI21903, AC006441, AC006449, AC005697, AC007546, ALI33467, AL445483, AC005264, AL096700, AC005187, AF075069, AL356057, AC004878, ALI35924, ALI56747, AL359382, AC004125, AC005543, AC005180, AC022432, ALI17337, AC005755, AC005484, AC005003, AC008543, ALI38974, ALI78351, ALI31007, AP000045, AC011477, AL356299, ALI37119, ALI33288, AC002350, AP001694, AL035071, AC019060, AC000028, AC004867, L29074, AL020997, AC007731, ALI56865, AC005500, AC007238, AL049835, AC020948, ALI17382, AC009228, AI295844, AL031276, AL021808, AC005377, ALI18520, ALI57713, AC005781, AC008953, Z73979, AF130089, AC004912, ALI21905, AC011444, AC004703, AC007098, AC005225, AL008719, AK000471, AC002476, ALI31616, L78833, AC022407, AP000250, AL022726, AC005277, AC005080, AC000353, AC005041, AC006040, AC024075, AP000227, AL031427, M63543, AC006376, ALI33243, AC004967, Z83840, AL096840, ALI32987, AC004832, AC010491, ALI61781, AC018644, AK000385, AL138787, AC005730, AC005839, AC021752, Z95116, M63544, ALI17332, AL049759, Z85986, AC005524, AL035683, AL022312, AP000087, AC009516, AF038458, AC005520, AC022212, AL035445, AC009298, AC007383, Z83838, ALI22001, AC005821, AL035422, AC002465, AL354861, AC006315, AC010522, AL031663, AC005759, AC005844, AC008626, AC011450, AL031186, Z94865, D16517, AC004227, AC008403, AC007263, AC008044, AC010328, AC016644, AC007868, AR035195, AF205588, AC007686, AC005261, AP001752, AC004865, AL021391, ALI33163, Z93015, AL031293, AP001711, AC005535, AC003037, AU009616, AC005236, AC010652, AC009123, ALI39109, AC011491, AF225899, AC008267, AF207550, AP000255, AC008784, AC005305, AB032485, AK000879, AL034417, AC003982, AF134726, AL035460, AC005914, AC004033, AP000503, AC011475, Y09781, AL354696, ALI38836, AC018751, AC005194, AF168787, AC004552, AC018897, AI251973, Z81364,

Name	No.	ID	Range 1	Accessions 1	Range 2	Accessions 2
HVVBV73	653	103658 3	1 - 2030	AL162430, AC005562, AL033529, AL096774, AC006319, AC004771, AX008042, AC005696, AC006511, AP000133, AP000211, AC007277, AL022322, AC004089, AL031589, AL109806, AC004890, AL136130, AC004587, AC005726, N51173, W42836, AA125986, AAE28917, Z25535, F00373, and AI419094.	15 - 2044	
HE8MHE38	654	103670 7	1 - 3263	AI122160, AV714982, AW58328, BF445093, BF905367, BF448196, AV760536, AW468149, BI220180, AI632166, AW77972, AA133246, AA533135, AA483521, AA194092, R97265, AA311548, BF85986, AI075828, AI921879, BE701129, BF822456, AI652624, BE829766, AI189606, AW081537, AA367772, AI660524, AW008689, AI189280, AU076738, AI126085, AI521483, AI913886, BF007605, AV294311, AI133300, N26404, AA991196, AA352508, BE815848, AI26718, BE815899, BF900631, AI561330, AF013249, AF109683, AF251510, AF251509, and AF013250.	15 - 3277	AL53126, AI531127, AI928228, BG260542, AW170300, AI808522, AI986295, AW052146, AW440265, AW025345, BF557470, AI767642, BE786636, BF679661, BF061092, BF523772, BG120285, BF977985, AA772078, BF879171, AA858427, AW469286, AW953365, BF838470, AI554864, AI680274, BF833469, AI683456, AW451615, AI582689, BF669695, AA806625, BF209841, BF833693, AW961621, AI745623, AW614818, BF591069, AA278792, BF855142, AI075180, BF817549, AL531141, AI041921, W67223, AI831295, W86505, AA837322, AW958118, BF838674, BF838513, BE565407, BF769124, BF827053, AI699876, W03861, BE219995, BF106385, BF593586, AA251571, AW895115, AI240206, BE049368, W86438, AA236288, T75243, AI216491, AI245175, AA251003, AW260059, AI079656, AA039738, BF541202, AW269066, AA234416, AI346613, BG001183, AI474766, AA039811, AA664111, BE940534, BE184744, D60839, BE091487, AA354069, AI917547, BE184809, AI290570, I15649, AA716105, AI538089, I50159, H22062, BE940694, AW191651, AI569909, BG001168, H43509, AW361564, AA935476, H51650, T88885, R19252, AW139671, F12748, AA317063, T35484, D81747, AA045983, AV722954, R38637, T84243, D63023, AA353028, AA329162, AA854482, W27422, AA724246, H55953, T07187, AA730463, T91921, AA029576, AA367548, BF839731, AA740198, BF992584, AA322166, T91833, AA579692, AA484665, R44516, AA297306, AA029575, W67333, AV682803, R05399, R05398, AA046230, H21205, AA700200, AA764806, H51073, BF825032, BF825022, AI904358, BF087937, AA766546, AI560051, AW991849, R88372, AW991846, AW991745, AW991848, AW991856, AW991850, AW991858, AW991852, AW991689, AW991855, AW991859, AW838079, BE892310, AI358443, BE180978, R28906, AW991853, BE813259, JA4553, AW991844, AW991851, AA873752, H42515, AW991675, AW991857, AW991682, BE931685, I15952, and AI014597.
HTEPV42	655	103697 3	1 - 3044	AI807073, BE380078, AW237271, AA167044, BF673329, AI962324, AW019979, BF105943, BE463595, AV648439, AI872009, N66663, BF463544, BF710043, AW960859, AI299822, AP49044, AI458442, AA993605, AW299249, AW450231, AA629256, BF475297, BF430929	15 - 3058	

| HFTCG52 | 656 | 1037108 | 1-920 | 15-934 | BE666930, AI743458, AI718033, AI681550, W21109, BE667254, AI005652, AI474503, AW021273, AI092195, BE178731, AA166966, AA399111, AA447220, AA058311, N63150, BE044061, BF514050, BF448067, AW341924, AU154690, AW085210, AW796298, AA813062, BE566924, AA678353, AA778989, AI476148, R74282, BE379650, R81219, R81220, AI523384, N98946, AA249069, AA322135, N53357, AW015031, AB040375, AA810643, H02352, AW513301, AA346779, AA805148, AA385683, H02254, M85780, I88945, AI078638, AA380249, AI370668, R21211, N92903, R74193, AA371188, AA058489, AA398057, BF759689, BE766524, AW882682, AA044302, H89178, R21212, BE173545, AI932434, AA044128, BE178736, BE882974, BE003909, BE174625, BE766525, N83737, AA363806, AW975989, BE536604, AI380424, AI392795, AW662518, BE246074, BF091851, D20609, AW903383, AW897106, BE181963, BG013385, BF811933, AB037764, and AK001738. | BE782529, BF970515, BF034352, BF343862, BI183040, BE408359, BE910261, BF125809, BF663499, BE263232, BE264972, BE314050, AV752768, BF116109, BB909920, AA411585, BF206350, BF056595, BE904868, AI066608, BF680573, AA814458, AI031665, AI290747, BG167518, BE252952, AI084670, AW955529, BE889078, AA485512, AI147480, AI186832, AI908551, AI140421, AI741421, AA512969, AI279073, AA393178, AV728317, AI908565, AI720871, AI281075, AW874059, AV745547, AI033995, AI884439, AI950072, AW856249, AA411457, N36051, AW407316, AI310485, AI434953, AI027471, AA968894, AI682083, AI280176, AI937180, AI191381, AI061395, AI246055, AI568461, H42954, AV68973, AW196298, AA477804, N95220, AW001391, AW002095, AA402550, N79656, AA402549, AI418957, AA502177, AA854174, AA954913, AI869942, N25233, N63979, AI264945, BF34411, AA857556, N25183, AA724336, AI200178, AA296690, AI262872, AI220131, AA143229, AI266423, AI192573, AA296976, AA296812, AW192188, BF221838, AA535997, BI3930, AA477803, AA938296, AI205287, H93834, AW276772, AW473105, AI910113, AI263686, AA143285, N88797, AA485357, AA045563, AI682860, AA411909, N33866, AA887422, BF764144, AI559369, AA298307, AA298311, AW118287, AA298404, AA557594, AA885990, C20721, AA045563, AI915482, W21048, AA297564, AA873195, AA402737, AA303056, AW956361, AA402328, AA297445, AA082648, R97588, AV699267, AA305827, BF673964, AW602659, AA812499, AI866484, D44879, BE827119, AI475298, AI872315, AI932620, AI474699, AI804505, AI815239, AI500659, BE883591, AI866445, BG167830, AI815232, AI866691, AI801325, AI500523, AI538850, AI887775, AI582932, AI872423, AI590043, AI923989, AI284517, AI500706, AI445237, AI491776, AI926593, AI289791, BF811804, AW151138, AI521560, AI891189, AI500662, AW151974, AI285417, AI623302, AW172723, AI539800, AI284509, AI582912, AI538885, AI889168, AI440263, AI927233, AI866573, AW058275, AI633493, AI434256, AI355008, AI866469, AI805769, AI434242, AI888661, AI500714, AI284513, AI888118, AI285439, AI491776, AI859991, AI436429, AI355779. |

HKAOB40	657	103713 1	1 - 446	AI623736, AI889147, AW194509, AI581033, AI371228, AI491710, AI431307, AI440252, AI440238, AI924051, AI567971, AI866786, AI860003, AI610557, AI431316, AI242736, AI539260, AI828574, BF812963, AI887499, AW151979, AI539781, AI441238, AI702065, AI539707, AL515149, AI885949, AI285419, AW089557, AI559957, AI521571, AI469775, AI866581, AI567953, AW074057, AI815150, AI446495, AI289386, AI889191, AI952433, AI867068, AI225248, AI358271, AI798359, AI282249, AI698352, AX018175, AX018068, AX039994, AC005922, AX015526, AI133655, AX040958, AL133076, AX040974, U30290, ALI22101, EI3998, AX041002, AI133049, AL133084, AL133070, AL049423, AZ1103, AI33051, AF116650, AL133053, AL133608, AL133607, AL13015, AL133067, AK027095, AR015970, AL133020, AF126531, Z69719, AF002985, AR055519, AR005011, AR034821, AL137557, AL136079, AF185576, D6207, AF179633, AB047904, ALI2049, A86558, AK000450, AB020592, AL137711, AF274348, AF274347, AL022723, AC004213, AC007383, E02253, and AK027164.
			15 - 460	AV756246, AA244132, AV717234, BFI85867, AV758520, AV729159, AV75948, AV712024, AV703418, BF149398, BF313925, F27760, AW015956, AV711660, BG030072, AV711804, BE122692, AV713393, BG164207, AA664996, BF58917, AI283651, AA318284, F27676, F33364, F27644, BF244031, AA627396, AA947143, F30071, AI832645, AI130748, AI289147, C04467, AI039000, AI317435, AI023676, W80487, AA694164, F27719, BF445896, AA244131, F27522, AI309287, AA531437, AA534561, AI749712, F30920, AI344732, AA524049, AA694524, AI150756, BE049640, F30100, F33405, F35513, F24555, BE259481, BE393823, AI077875, AA664997, AA903996, AI911004, D51606, F33783, AV712423, AI560279, AA603795, F22313, AI537640, AA78729, W78719, AA306681, AA704855, AI000638, AA327732, BE829631, AA657632, AW510909, AA927025, BF353508, F34894, F33982, AA88258, AA096277, F35771, BF589713, F20520, AW274260, AA926970, AA969580, BF359225, AA320725, AA484618, AA319168, BG223142, BF680834, BF216367, AA352731, AA089523, AI08982, D59538, F26815, BF674387, BF67851, AW363453, BF213136, AW373552, AW373558, AW363451, F29754, F37671, T74839, AW363455, BF343046, AW363456, AA089891, BG107505, BE958613, F33389, BE069589, AW363452, AA865251, AA659874, AA991471, AA91894, AW373548, AA876674, BE568423, T25895, AI885345, AW373549, AA541603, AI686496, AI002064, AW373557, BI164631, BE069691, F31896, BF218334, AA905241, T74772, BE069604, R07845, AA730436, AA857847, N80149, BF752245, R98804, AV692587, AI445990, AI009696, BG029667, BF970449, AI680498, BE886728, AI671642, BE785868, AA287231, BG112102, AI431909, AI874243, BG110517, BF338002, AI922577, AI863321, AI85827, AI923989, AI66906, AI916419, BG257535, AW082113, BE726207, AI863382, BG180996, AI018445, BF885082, A1950664, BE047952, AW806761, BF924882, BG029086, AW961463, BP904189, ALO36980, AI499986, AI537677, BF753056, BF798803, AI801325, ALO7974I, AI36575, BI964876, AA572758, AW274192,

AI312428, AI340519, AI698427, AV707062, BG178911, BF970186, BG110684, BE967621,
AA420722, AI251485, AW673679, AI284517, BT752353, AI538885, AI133559, BE138658,
BE964614, AV756091, BP904265, BG163618, AI280661, AW022699, AI358701, AI345608,
AV656932, AI318280, BF874133, AI345688, BE910373, BF814450, AL120254, AI554245,
BG121959, BG114104, BE963355, AW959828, AW955606, AL039086, AL225339, AI859464,
BF814018, AV682787, BE047833, AI250369, AV682112, BE965599, BE886858, BG163297,
AI345471, AI366992, AI866465, BE877142, BF856052, AC008044, AC008372, AC016925,
AK026534, I48978, AI08910, AL049382, AI08909, AL133104, AFI16631, AB052191, Z72491,
AL162006, AB049892, AL137658, AFI16639, I89947, AI08916, AI08913, I87620, U42766,
AK026855, AK024524, AL049314, AFI76651, AK025772, I91329, I48979, AK024538,
AR059958, A03736, AB051158, AK027204, AFI30075, AK026600, AK027116, AFI30104,
AFI13677, AL133093, AFI18070, AFI30105, AL137529, AL157431, AFI00931, AV090943,
I89931, AL117457, AFI58248, AR087170, AR056191, AFI75983, AI08912, AB016226,
AL049283, AL110196, AK025958, AR017152, AK025254, AFI30082, AK025629, AK027096,
AL050024, Y11254, AH11909, Y09972, AB052200, AL35940, S78214, AFI13013,
AK024538, AL137429, AF090934, Y16645, AB047615, E02349, AL137459, AL133557,
AB047904, AK026927, AL096744, AL133606, AF207829, E04233, AL133640, I09499,
AX006092, AFI11847, AK025484, AF091084, AF065135, AB041801, AK026624, AK025414,
U68233, I92592, AFI16602, AI08908, AFI30087, AL137547, AL096751, AFI16682,
AFI04032, AL110280, AF227198, AL049464, AFI13689, E05822, AL122050, AFI19860,
AK026630, AF090903, AFI16649, AL050393, AI012755, AK000718, AR038854, A65341,
AK026597, AL049430, AL117585, X98834, AX026824, AX026823, A58524, A58523,
AL389935, AL122049, AK027081, AFI19875, AI000937, AF087943, AK000137, AK026959,
AK026741, AL122098, AK027200, A93350, E01314, AL050116, U66274, AR079011,
AK022524, AFI13676, AR079012, AX010492, AFI77401, AL442072, AF039138, AF039137,
AL117394, AFI30110, AL050114, AK026592, AFI30059, AFI16691, AK026528, AK025410, A08907,
AL133080, AB047623, AK026647, AFI19871, AFI11851, AL359583, AB048954, AL080234,
AB049853, AFI16646, S69510, AF090900, AL050108, AL122093, AL133072, AF119337,
AFI16610, AFI17336, AK026744, AI238278, AK025632, AF090896, AL359618, Y07905,
Y10080, AF106862, UT2621, AF230496, AL133560, AB019565, AFI19883, AR013797,
E03348, AK027114, AFI18064, AL049938, AFI32205, AF217966, AB047887, AFI19878,
AK026383, AFI13699, AK024601, AR070212, AL117583, AF217982, AK026947, AK000083,
AK026784, AK025092, AK026526, A9048975, AL137570, AK000323, AL389939, AFI06657,
AL13313, AL117435, A9079765, X63574, AK025462, AK026593, AL122110, AK000614,
X82434, AL049300, AFI19899, AF067728, AX042059, X72387, I67958, AK025057, A77033,
A77055, AL109466, I33392, AK025339, AFI18090, AL359596, Z82022, AL110197,
AFI30077, AFI25949, AL110225, AFI46568, AL359620, AFI16644, AK000652, AX040958.

HPDVE37	658	107303	1 - 1599	15 - 1613	AB053884, AB047248, AB048964, AB048953, and AI475127. AL517808, AA875996, BG164359, BG254693, BE835373, AI35663, AI697273, AW964280, BE620690, BG003250, AI955203, BE379574, BG180539, BG118987, AI804501, AW072362, AW131876, BF439994, AW517706, BG163494, AW589307, AW474312, AV713744, AW189479, AI758808, AI671058, AI859527, AI571565, AL516527, BE044262, AI979123, AI358930, BE785436, AA900662, BE876057, AV757490, BF447142, AW769283, AI702005, BG179480, AI589797, BE855665, BE874132, BF811565, AW470124, AI608874, AW262906, BE542347, AI419415, AV733087, AW085499, AW264203, AV716319, BF594195, BG166560, AV717480, AW043903, AI589155, BG236166, BE855543, AI625339, BE349609, AW071433, AI811579, AI827883, AI038312, AA923546, BE787494, AI027551, AA946567, AI218474, AI262847, AA516112, AI250238, AI367751, AI587647, AI445709, AW190946, AI095563, AA506164, AU149505, AW449748, AW675364, AA461100, AI273385, BF34228, AI836029, AA594304, AW363586, AT765475, AA644088, BE831584, AI249095, AA954399, BE870728, BG164966, AI39314, AI362797, AU148487, AU155770, AA054986, N79134, BE698726, AW022921, AI302865, BE788584, AI347884, AI344505, AI339769, AI159818, AI191669, W68451, AI301086, BE787374, AI346633, AW864340, AW468843, AA461415, BG249206, AV733977, BFI30637, AA917866, AI431993, AI346628, AA295256, AI139442, AI474061, AI263002, AI554848, AI718444, AA054987, BF350409, H97738, N28435, D20107, H50749, AA40503, N26792, N47562, R06023, AW768467, AI866248, W32011, H71749, AI335841, AI473654, BE244914, BE871289, BE870161, AI244612, AI274576, BE879080, H04403, H66230, AA87230, T60170, N62365, AV705024, AV738340, BE873741, AV701643, AV70151, R33767, AV727052, H7312, W31602, AV727574, AV703542, BF094332, AV70203, AI146867, AV745940, AV703980, AV702096, AV728282, AV709886, AV727954, AV70151, AV703266, AV649112, AV707704, AV722001, AV702222, AV727314, AV709932, AV706910, AV727238, AV703213, AA055296, AV704879, AV706425, AV725991, AV706223, H04378, AV725154, AV727583, AV653897, AV701774, AV762632, AV702673, AW510462, AV701879, AV725473, AV707783, AV701774, AV707528, AV725380, AV701914, AV702149, AV648623, AV702354, BE881308, AV706104, AV728425, AV709494, AV760693, AV709356, AV715252, AV706925, AV761002, AV707228, AV733867, AV704954, AV705416, AV702671, AV707589, AV727126, AV733901, AV704660, AV703460, AV703591, AV711979, AV703417, AV711329, AV733247, AV733222, AV711705, AV758219, AV702851, AV762691, AV76039, AV716583, AV705550, AV713025, AV758054, AV726653, AV733212, AV702498, AV729886, X87212, AC011088, U79415, H5551, AI960171, D90404, AX020190, AX047064, AX053462, AR038855, AX047063, AX008555, I44681, AR088705, AR062871, AX026824, AR017907, AR07037, AR091393, AR079804, AX032758, X81969, A25909, AR062872, AX026823, A85395, AR062873, A85476, AX009487, A20702, I18895, A20700.

| HTLES74 | 659 | 103743 8 | 1 -1599 | 15 - 1613 | A43189, A43188, AX047062, AX028305, AI244005, AI244004, AI244007, AR093385, AX021518, A84772, AI244003, AX001322, AX006816, AR037157, A84776, A84773, A84775, A84774, AX001082, I19525, AX006826, AR067731, I13349, AR067732, AX006825, A58522, AX006822, AR054109, A91750, AX009712, D78345, A98420, A98423, A98432, A98436, A98417, A98427, Y16359, AX042372, AR038762, AR093392, U94592, A98767, A93963, A93964, I63120, AX035980, A62298, A91965, I66485, I66487, Y09813, AR008429, X83865, I08396, AX020191, I15717, I15718, AI9016, AX006821, A86792, I08395, A62300, AR031566, M28262, E03627, AX011024, AI8053, I48927, A58524, D50010, A58523, AR096545, A60212, A60209, A60210, A90655, A60211, AX003207, A02712, I84553, AR073846, I84554, A77094, A77095, AR080470, AR077142, A81878, I00682, AX033488, AX033489, AR069650, AX033490, I62368, A95051, AR095492, AI8050, AX012337, A23334, A75888, I70384, AX033474, AX033486, AX033487, A64973, A60111, A23633, AX032992, AR007512, A35537, A35536, AX032993, A11624, A11623, E00609, A02136, A04464, A02135, A04663, E13740, AX006823, A11178, E01007, A10361, A22738, I06839, AR04360l, A11245, I03331, E12615, A02710, AX018504, AX035193, A92133, E14304, A07700, AX027811, AX027809, A1339l, A13392, AX031483, I13521, I52048, A27396, AX027813, AX030369, AX030368, AR069374, AR027100, I49800, I44531, I28266, AR069375, AX042377, AR083151, AX027812, AX027810, AR091518, AX027816, AR072555, AX042375, AX027817, AX027818, AX027814, AR085082, AR085089, AR085091, I21869, AX042373, AF149828, I44516, A70040, I05558, AR085079, E16678, A82653, AR085083, E16656, A95117, AR07365, A24783, A24782, AR095490, AR095491, A84916, I01995, AR038066, I25027, AR069426, I26929, I44515, I26928, I26930, I26927, I08051, I60241, I60242, A22069, E00696, E00697, AX027636, AR009151, AX001330, E03813, AR093384, AX003206, I66483, I66484, Z52836, AX004550, AX036660, AX036661, I66498, I66497, I66496, T60230, T56326, T90206, T83014, R33654, N33847, N39480, N69192, AA055178, AA471039, A652074, AA721249, AA736591, AA877390, AA886405, AA917847, AA922712, AA936200, AA609844, AA723925, AI274597, AI151493, AI610566, AI687002, AI826023, AI811447, A955935, AW518530, and AW519037. |

| | | | 1 -1599 | 15 - 1613 | AI684972, BF970837, AW967038, AU159484, AU158471, AA057647, AW500380, AW249504, AW151743, AI424975, AI432337, BF871652, AW084843, AW304447, AW967331, AU148765, AI394403, AI191900, BF871649, N25336, AA135457, BF382784, AW505227, BF871644, AI914725, BF955103, AI921789, AI783706, AA057623, AW469146, AI916229, BE699490, AA729783, BF955104, BF847243, AA458940, AI36273, N31450, I07500, BF744969, BE254288, BF350930, BF744962, AA010526, BE041426, AW873536, BF350929, BE256648, BF874285, AA317055, BF847242, BG104716, BF993827, AW592168, BF876061, BF869452, BF744885, BF869451, AA010440, AA13456, BF874364, F37928, T28450, BF377173, AA768679, BF350954, AW250069, BF350936, AI905327, AU125009. |

HCORGS1	660	103748 0	1 - 1018	15 - 1032	AW452112, BF350941, BF814972, BF809514, BF811020, W88917, BF349935, BF766992, AFI59851, and M73077.
					AU119606, AA203703, BG108259, BF727003, AV223401, AV727538, AL037022, BG121673, BE906082, AV701409, BG104741, BF207530, BE888688, BG165717, BE863783, BF969520, AV693876, BG121030, AV695442, BG105351, BE906390, AV711109, BE236706, BE905199, BE783245, AV761845, BF213371, BG163570, BF695449, BF666653, BE787708, AV759701, BE257704, BR03370l, BF937876, BF212445, BE440070, AW960900, AV696961, AV759933, BF940791, BF699481, BG107691, BF696419, BF032594, AV714540, BG032718, AV713922, BF208342, BF207835, BF698120, BF132136, BF878507, BG171285, BF666631, BFl84845, BE564620, BF028256, BG11414l, BE566319, BF665952, BF207537, BE787664, BF701660, BE712409, BE254967, BF212224, BE566364, BF668687, BF10322, BE558143, BF794294, BF028300, BF668049, BE535212, BF210210, BE566454, BE566504, BF669748, BF028425, BF132549, BG034568, BF973714, BF211605, BF698186, BF699327, BF129935, AV692292, BF790799, BF668313, BF020758, BF219102, BG112005, BF574192, AV695384, BE568054, BE865575, BF028080, BF669285, BE866162, BE564560, BF696430, BE564680, BE566998, BF697745, BE880760, BE537699, BF701632, BF031304, BE568246, BF567433, AA641037, BF666925, BF245842, BF699104, BE568260, BF699609, AA207275, BF028127, BE617095, BF687636, BE866547, BF092228, BF211122, BE565384, BF028659, BF666787, BF215598, BF106334, BF207508, BF662895, BE568342, BF883681, BE958125, BF209000, BF238831, BE712313, BE865640, BF207801, BG113857, BF701484, BE564339, BF666262, BF207800, BE212545, BG170382, BF379878, BE565403, BF208434, BE738903, BE960617, BF130043, BF701314, BE566626, BF696841, BE567001, BF676340, AW956412, BF207487, AW951764, BF028632, BF677913, BE565908, BE866051, AI878922, BE565841, BF028356, BG116048, BF698480, BG115367, BE568736, AV748606, AA777569, BF028533, BE538069, BF029283, AV711633, W74771, BF132067, BF028876, BF698815, BF184604, BE568628, BE866343, AV709365, BF540906, BF668983, BF670020, BF02907, AI313152, AI184824, BE568240, BE866165, BF666919, BF241599, BF21193l, AW327264, BF132599, BE958387, BE566452, BF668437, BE958229, BE866608, BE568941, BE567143, AW405776, BE675095, BF208507, AV575329, BF698858, BF670050, BE567222, BE712302, BF106197, BF571150, BE567991, AI204563, AI971724, BE865853, AA143061, AW089921, BF170681, BE566909, BF213189, BE865841, BG117885, AW886459, AI879014, BF126080, BE712495, BE565381, BF886555, BF700114, BF240137, AI057602, BE881428, BF028741, BE674885, AA187000, BF028038, AI041813, N36393, AI146925, BE568390, AA314926, BE865414, BF699470, AI362989, AV714019, AV753726, AK024823, AC005000, AL031983, AC006137, X99585, AL631133, AF067824, AF067825, U89439, AF067826, AC006349, AC005193, I76416, Z98050, D16928, M84340, A74359, X95225, R09273, U78786, R06047, R13312, R26309, R34095, R69222, R69651, R69665, R87091, H54579, H61278, N27572, N32723, N42456, N44208, N45944.

HPAMM72	661	1038344	1 - 1192	15 - 1206	N48438, W00426, W05298, W07641, W39571, W56082, W67312, W73910, W79164, W84806, W94261, W94446, W96094, AA041447, AA120893, AA127439, AA127483, AA143182, AA150033, AA460187, AA834320, AA962193, N56045, N56067, N56436, N83904, C14682, C14726, C14725, AA092145, C15010, AA662002, AA652058, AA652108, AA214478, AA216107, AA293093, AA722481, AI091789, D25641, AI093283, AW270463, and AW270543.

(The remaining content of the right-hand column is a continuous list of sequence accession numbers:)

 AL523860, ALS23859, AV703581, BF313932, AV704094, BE744272, AI245953, BF311083, AI580046, BI978105, BF342774, BG029876, AA548201, AA587134, BI384153, AA502785, AA505568, BF686716, AI754704, BF568187, AA526489, BF206736, AI360872, AW170479, BF125063, AI342198, AI871437, BF980574, AI620169, AA587222, AA533190, AA252926, AI819060, AI809628, AL535314, BE266496, AA477334, AA905992, AA548308, W52644, R53008, AA479767, AA740293, BE389423, BE889935, AA888511, BE893691, T69762, AA953866, W79985, F24264, AI186365, AI126858, BF972617, AI684622, W56615, BG163811, AI936781, F34518, M77988, T70747, BF195437, H83737, BE840210, AW865827, AI857330, BF591148, AA542905, AI421596, AI984543, BF879344, AI354365, C01187, BF939223, BG057040, H54505, AV742672, AI54233, N56117, W74271, AA054732, AI005431, AI957336, W05721, AA054739, AA55928, W25472, AA304771, R71745, BF910578, AW607220, AA879033, AA886134, BE696657, BF807135, AW60583, AA345944, BE840003, BE696656, BF910040, BE836322, W56645, AW76889K, T50922, BE727589, T59763, BE770117, BF354989, BF858481, BF858460, R28237, AA338136, BF858399, BF883463, AI005445, AW800087, BF858469, BF858479, AW118596, AA568270, R70173, BE811961, BF896188, H54417, R29460, W25064, AA507070, BF799694, AI459675, BF796413, T85523, BF73421, BF002186, Y07604, AF086133, AF288690, AF153451, X97899, AL359622, AK000432, I48979, AL121656, AL390167, I48978, AI93016, AK026592, S78214, AL157431, AF116646, A08913, AD42859, AF130075, AL442082, AB019565, AF130104, AL117585, L31397, AF090900, AF070844, AK024538, AR079032, AF125949, AK026865, AK000618, AK026504, S68736, A08910, AF118064, A08909, AL133640, AK026651, AL359596, AL117460, AL080127, AF130059, AL049958, AB048953, AK000212, AF219137, AL050393, AL442072, AX026824, AX026823, A58524, A58523, AF116691, I89947, AK025958, AB049758, I89931, AL122093, AF113013, L31396, AI2297, AI08912, AR087170, AL110196, AL359601, AL110221, AL117457, AI133016, AF113691, X84990, AF116644, AF119871, AF242189, AI356278, AF090896, AL080060, AK025391, AK025484, AF104032, AX005848, AX005804, AK025491, AF130105, AF119878, AK027204, AF017152, AF090934, AF119894, AF225424, AF116631, AL133606, AF090943, AF218014, AK026608, AF090901, AL133113, AL389982, AL050077, AL126002, AC005992, AK027113, AL162083, AK026086, AK000445, AF183393, AL122098, AF113676, AF138861, AL050138, U35846,

Gene	SEQ ID NO	Clone			Accession Numbers
HKZAT03	662	1038378	1-1603	15-1617	X98834, U72620, AF119875, AL122050, X70685, AK000083, AL133557, AF130082, AK027116, AK026532, AK026855, AF113019, AF017437, AF119909, AW047904, AL162062, AF130099, AF111847, AF113694, AL133093, AK000647, AL359583, AR059958, AF090903, AL080137, AF207829, X65873, AK026647, AK000652, AK026533, Z72491, AL137550, AL117583, AK025084, AK026947, AF139092, AF130077, AF175983, AL133072, I26207, AL133104, E03344, AL137557, AF132205, AF119865, E07108, AK026452, AB052200, U00763, AX006092, AF260566, AF158248, AL133565, AL049464, AL133560, AL137463, AL049466, AB048964, AF116649, AK025524, U80742, AK000718, AX019230, AL122110, AL049300, AL049452, AK000137, AK000753, AL096704, AF056191, X63574, U91329, AK026534, X72289, AW119337, AL050146, X93495, X96540, AB034701, AK026464, AH118094, AL050024, AL133080, AB041801, AK026642, AB050510, AL137648, AL162006, AL137558, AL025772, and AK026542. AF092181, BF563681, BE619353, BG120390, BF342481, AI401034, BF568998, BE798905, BF732947, AI767382, AW006326, AI355164, BF338223, BE045924, AI285633, BF591104, AI867456, AI887701, BE785287, BF594321, AI521G03, BE568589, AI281806, BF594332, AI569158, AW469163, AI638344, AI201771, AI733579, BE042478, AW193431, AW083891, BE502258, BF674772, AI672802, AI952107, AI916027, AW263735, AI924871, AI655323, AI677970, BF941149, AI970251, AI347252, AI564712, AW089701, AI539116, AI420801, AI916004, BE620014, AI672004, AW290972, AI247014, AI610300, BF438612, AW629833, BF196599, AI281880, AA602320, BE857125, AI571084, AI560534, AW203823, AW194360, AA558959, AI655096, AW089651, AW593434, AA583786, BF877451, AI886225, AA838252, AA583313, AI910048, BF036691, BF57572, BF588571, AI962356, BE939501, AW378134, AA653417, BF839820, BF898669, BF809758, BF834908, AW748237, AA102207, BF884829, AI950970, AW272114, AW08729I, BE880457, AI744257, AV688379, AV693534, AV693525, BE001970, BF827682, AV689604, AV692641, BF829604, AI081643, BE939633, AW177785, T29204, BE078144, BE618452, BF664598, BF878235, M63199, U62317, M58602, and S72487.
HDQMA85	663	1038717	1-342	15-356	BF978123, AU126584, AU128622, BF978806, AA495935, AA418533, AV711446, AA193327, AV710174, BE564662, BE892207, BE569126, AV650111, BF208049, AV655570, BF571579, AV658440, BE566177, BE380088, BF207671, BE564660, AA659224, AW953008, BF126703, BF681495, AV706080, AA136159, BE568578, AA365223, AV717432, BF037095, AV706188, BF969419, BF027969, BF678845, BE294140, BE819432, AI557092, BE315019, BF542097, AV716266, BF104989, BF207827, BE565709, BF131739, BG167404, BE894162, BE565661, AV731171, AA150864, AV736529, BE565671, BF691161, BF674527, AV705361, BE569149, AE25586, AV702978, AA421976, AA314967, AW607134, AV707255, BE566620, BF572994, AV723383, N79705, D24621, BF675294, BE568676, BF031287, BG186865, AV710104, H49931, BF207348, W01244, BF031139, BF57309, BF618995, AW604379, BF132984, BE036537, BE897095, BF02810, BG167791, AV705177, BE005667, BE568441, H83043.

				BP976854, R09636, BE867757, BP028516, BP027792, H59379, BE005665, BE089806, BE866538, BE568125, BF215610, BE064379, H28570, AV649441, AV649518, BE961168, BF675211, AA127034, BP035590, BE565064, BE005612, BE568624, BP474177, BE568428, BE567576, BF675491, AA345532, BF540919, BP038148, BF208468, BF977940, AV657333, AV657335, AV657336, BP037132, BP996177, R99952, BP032642, BE568525, BP029012, BP029178, AW804389, BF573748, BE866404, H53333, T84587, BG179179, BG168907, H66880, BF027825, BE564539, BE865993, AV710768, AV656557, BE972451, BF131021, BF573793, AA375004, BF571313, BE565990, BP031968, BF382538, BF832819, BE005609, T86061, BE567551, BF027744, BP209509, BF248339, BF243975, BE565440, BE971265, BE971385, BF130254, BF243136, BF571473, BE005739, AW899998, BF977118, BE565812, T71465, BE566107, BF571808, N75712, AV65242, BF339479, BF744417, BF530811, N78024, AA573976, BF214719, AA629296, BE569018, AW384129, I66283, R86750, BP952328, BF961377, AI220117, AI819787, N90387, R01852, BF770743, AI146338, BP926883, AA313464, AW802566, N45718, BE003712, BE003775, AI810249, AW802617, AV702905, AW802458, AW802461, BE005748, BE176760, BE176762, BE926886, BE176763, BE176759, BE926907, BE929068, BE003706, AV725700, BF035310, AI553922, AW802513, BP896323, BE003770, AW802465, T97634, BE926888, BE176757, AW802568, AU077079, BE176730, AI718455, BF154796, AW166965, AI888793, BE176741, BF806876, AI857837, AV710725, AW293505, BE003765, BE003754, BE926885, AI814264, BE003685, BE926884, BE003752, AW384126, AI749637, BE971184, AI961682, BE176755, H28555, H60116, BE003764, AC007528, J03746, D16947, AB000884, AF092926, U71211, U71213, U46498, and U71210.
HVCCQ82	664	103871 8	1-960	AV711446, AI810249, BP969419, AI146338, AI553922, AA629296, AI819787, AI220117, AV706188, AI961682, AV659224, AI857837, AA418533, BG167404, BG167701, BF035310, AI888793, BF038148, AA629054, BF037095, BF339479, AI718455, BG179179, AV731171, AV702978, BE564660, BF032642, AT49637, BE380088, AI814264, AW166965, BE894162, BE064379, BF104989, AU128622, BE892207, BP978806, BF207671, BF028516, AV710725, BF207827, AW439768, BF031139, BP027969, BP976854, BE568671, AI560688, AV705301, BF572994, AA928210, AI804964, AV655570, BE819432, BF027792, BG168907, AV650111, BE867757, BF691161, BE005667, AV658440, BE005665, AV710174, BE866538, BF675491, AA418380, BE005609, BE315019, AW571549, AV717432, BE005612, BF894177, AI400738, AV723383, BF037132, AV706080, BF031287, BE565661, BE568676, BE568525, AA887452, BF571579, AV707255, AV716266, BF542097, BG168685, AA493733, BE566620, AW471079, BF675211, AA991294, AA421976, AU899043, AA629674, AI193327, BP028510, BP207583, BE565709, BF594181, BF674527, AW950043, AV700927, AI218371, BE618995, AA629649, AA194110, BE926908, BE926907, BF573793, BF132984, BG180562, BP926888, BF196688, BE926886, AI198508, AA126514, BE176759, AV705177, BE176757, AU073726, BE568441,
			15-974	

2166

HTGFP54	665	103891 5	1 - 515			AI168758, AV707733, AV706506, AV707657, BF197070, BE176763, BF678845, BF031968, AA629656, AI338921, BE566177, BE176741, AI674938, BE926885, BF126703, BF573093, AU150878, BG030727, BE565064, BE176754, BE176762, AA437280, AW950042, AI085786, BE176755, AA633132, BF030537, AI342447, BI926884, AW384129, AA652531, AI453152, AI281295, AI087072, AI281153, AA578595, AV725700, AI148621, BE569126, BF245521, BE926895, AI368007, BF573748, AW069054, BE294140, AI620350, N51899, BF540919, BE566440, AI620364, AI557092, AA994396, BE176760, N54787, AI525586, AU126584, AI991209, AI280197, AA136159, AI346309, AI338121, AW95008, AA573976, BF675294, AA804572, BF215610, AA495935, AI167365, AW802465, AI340135, AI084449, BE569149, AI080691, AI267984, BE005748, BF681495, AW819657, N31499, BE005739, AA935468, BF083036, AA495936, AA948663, AA150864, BF208049, AI568933, BF978123, AW148701, N4899G, AI467868, AA313140, BE568578, N75712, BE865993, N48254, BF248339, N62757, N79705, T27850, AW802461, BE160096, BE566462, AA632823, AA150692, BF027825, AA954788, AI383720, BE866404, AI926052, BF208468, BE564559, AI915737, BE047685, AV735909, BE971265, BF209509, AA524864, AA314967, BF571313, AA708346, AA927952, AW607134, BF027744, BF131021, BF350811, AW015498, AW802458, AV730529, AW899998, AA194837, J03746, AC007528, U46498, U71213, AB000684, D16947, AF092926, U71211, U71212, U46497, U71210, T71319, T71465, T87001, T91011, R09523, R09536, T84587, T86061, T95664, T97634, T97635, R01852, R01853, R37035, H24584, H24621, H28556, H28570, R99952, R99953, H49331, H53334, H53333, H53979, H60037, H66283, H66837, H66880, H67714, H82824, H83043, N45718, N58003, N5834, N68575, N74240, N78024, N99964, N01244, N90387, AA120094, AA126672, AA127034, AA136337, AA136422, AA483118, AA557776, AA602799, AA937149, C00783, AA629202, AI247247, AI418720, AI185358, AI250750, AI356893, AI831510, and AW293505.
HBODF41	666	103901 7	1 - 4077	15 - 4091	15 - 529	AW379160, BE179734, BF753109, BF919364, BF590555, AR086625, and AI080156. BE693712, BF726185, BF941211, AI609957, BF434424, AI133086, BE743297, AI818455, AI963505, BG035390, AI283400, BF000643, AI807136, AI540580, BE710218, AI923919, AW51536, AW961955, AI673369, BE709764, BE299414, BE938907, BE297587, BF941386, BF083301, AW949326, AA093602, AI467440, W77767, AI246894, AW389733, BF083304, BE764961, AI570849, N92501, BF882462, AI68120, AA26479, AV367902, BE815293, N34800, BE932159, AW085775, AA195510, I99700, AW368180, BF854061, BF882455, AW368217, AI768309, BF822787, BF516377, BE392838, AA417905, BG005722, AW372530, AI334431, AH00483, BF847440, AI580089, BE744768, AW368048, AW368218, AW368174, AW368042, AA131826, BF447574, AW368025, AW368163, BE714741, AW360040, AW360044, AW368047, AW368168, AW368170, AW368212, AW368215, BF349645, AW368045.

| HRODW53 | 667 | 1039068 | 1 - 2522 | 15 - 2536 | AW368161, AW368165, AW368172, BF349642, AI524462, AW368039, AW368207, AW368216, AW175895, AW368036, AW368211, AW368214, AW368041, AI580428, AA417886, AW368169, AW967262, AA448597, BF352015, R75626, AI433999, AA131993, AW368193, T08197, BF741290, W03374, AV759378, AI493010, BF759539, BG005734, AI014328, BG009226, AW291937, BF933647, BF924623, BF59681, BE175574, AW837164, BF934826, BF949747, AW517557, T08198, AA776668, AW368031, AW368162, H27634, AW890283, BF949664, BF087268, BE179655, T81070, AA352329, BF759995, BE710010, BF799595, AI910238, AW361025, R75725, F00983, M85444, AW498652, BF924622, AA295631, AA235608, AW499952, BF932115, BE938357, AW449547, AW895808, BE184284, AI380018, BE767280, H40672, BF381151, BF510936, BE699006, N43952, AW576271, AA356931, AI807130, BG009224, AW895610, BE826007, BE842824, BF115437, AA235609, BE677207, BE709122, N44521, AW498575, BF812451, BF849874, AA716596, BF475909, BE804965, AI695783, AA092601, BF332641, BF764996, AA984493, BF361883, BF953753, AA195504, BF08947, AA092760, AA346813, BE699000, BE709592, BG252152, BF931082, BEB15961, BE842813, BF087645, BF935482, AW368144, AW894375, AI696687, BF906130, AI738373, AI457458, BF935178, AI240956, AA494529, AA018591, BF515341, AI342757, AA661666, AA53116, AA001595, AA013357, AW103111, AI141380, BF435206, AW94082, BF935182, AV743204, BF081959, AL520604, AI258949, BF935176, AI580128, AI042317, AI587595, BF841420, AI92434, AW166052, N33182, H96634, W96803, AF071112, M74773, L02897, AX017485, AK02507I, AX015394, AL117605, S65762, AX015534, AF016040, AI005694, AI242018, AI238723, and AF047686.
| | | | | | BG109975, AU119642, AW967929, AW195340, AW44826, AW976269, BF433231, BF447675, AU158960, AA947277, AA722891, AW009448, BF055991, AI420841, AA256747, AW377666, AA731773, BE503026, BG005294, AI565025, AI927332, AW389598, AI336337, AI494131, AA808216, AA947279, BE222247, AA825545, AA452410, AI651452, AW292860, AW377657, AI867450, AI26219, AI24363, AA812208, AI573209, BF108712, AW362909, AA908226, AW367976, AI458531, AW389617, W93316, AW07969, AW002549, AI467887, AA749144, N24875, AA256877, AA262505, AA766428, AA811313, R83301, AA778771, BF11381, BF542145, AW965704, AA682799, AW183953, BE047426, AW243205, H58733, A031058, AI246223, H69591, BG002169, AA973454, R83395, AA41509, N669785, N36294, AA299701, AI803225, AA299702, T03865, AW471034, H58344, H75668, H59592, AA812777, BE710950, T77893, AA411001, AI825279, BF759989, AA354797, H65620, BE710953, AA677816, H69023, AI886081, AW296622, AA255868, AA255471, AA648958, BE705831, W93427, AW183272, AI203101, AA815060, H65619, H67272, AI218105, AW811839, HI59593, Z38443, F05460, BF909126, AW798987, BF909902, BF909906, BF909207, BF909130, BF909585, AI634666, BF909216, BF909121, BF909974, BF957214, BF909575, BE788762, BE181731, BF909165, BE930530, AI208005, AK000399, AI161757, |

2168

HPAMC60	668	1039290	1 - 2977	15 - 2991	and AK023885. AL533865, AL516512, AL519227, AU141054, AL516511, AU126040, BF967988, AU137295, AU142956, AW963033, BE788012, BE889992, BG035178, BG027055, AU117071, BG238905, BG261070, BE061938, BG258982, AV702215, AW274900, BE217870, AV159936, AW959659, BE540470, AV696955, BF686672, BE538326, BE549733, BF999549, BE549916, AU146938, AV717743, AI160190, AD64123, AA775397, AA902465, AW408479, BF381155, AV753562, AA84543, AI567675, W19918, AI371771, AV714671, BF237716, AV705505, BE707637, AU143994, BF033922, H98061, AU129280, AI436219, AA131605, AI337194, AW750293, BE252519, BG025834, AI808533, AI165080, BE813720, AA314559, AI762629, BF243023, BF059565, AA82428, AV751773, AV76324, BF476697, BE002625, BE466846, AW339504, BE870697, AW172809, BE002808, BF306735, AI028509, N78438, AA165100, AW438902, AA702977, AA94039, AA77287, AI305175, AI969645, W31697, AI079414, AI140124, W32150, W00679, AI298102, AI298271, BF244067, BF746273, AA533788, N78878, AI818253, W56364, BE669492, AI468435, AA227473, AA150886, AI082614, AA88217, AI079958, N90037, AA316647, BF967264, AI083708, R19848, AW075617, N99923, N62347, N90737, BF216915, AI081307, N33210, AW513369, W39443, AI051901, N22977, AI128862, BE252097, AI526658, BE960874, AI366857, BF195491, AI968452, AI093068, AA488414, AA625429, W03474, AI76826, BF886626, N62714, AA844432, AI510771, AI339129, AA977275, AA917896, W77845, AI018089, AA808772, R23594, AA488552, W05330, W06854, AA558790, AV710092, AI590102, BF431526, W15351, AI560407, AA86422, BE671096, BF665098, N79109, AI086695, AV749542, AI246615, AV759463, N99916, W72121, AA226732, AA767460, AI220982, W06941, AI382792, AA844288, AU157116, AU155983, T59679, AI278098, N40268, AA456488, H04416, AI863558, AI300271, R71572, BF031544, N31015, R78812, I95034, AW205368, H78637, AA164685, N41923, I90357, AA854381, AA700449, H96313, R26150, BE925306, H06438, AW901748, AI669872, R77046, N91264, AA725325, R81582, H93997, AI090659, R79310, BE167655, R34212, AI186457, AI470782, AI591349, R79674, T85462, T99588, R81331, AA895095, N55580, AA369712, BF738882, AA009877, Z41909, T82168, T71401, AA708919, T83949, T50395, AW518427, T30640, N32293, T52657, AI191207, AI382962, N90421, R76884, AA164538, AA670114, T71267, AI572199, W52002, BF242166, AA876634, BE180993, AI719049, R30987, W25298, AI917594, BG011640, AA724702, AF121856, U83194, AK021456, T52656, T59815, R06686, T83564, T85403, R34329, R45949, R45949, R79863, H06174, H78585, N63268, N69012, N77082, W25292, AA131531, AA150778, AA73825D, AA948725, C0143, AA094683, AA678747, U48336, AI042230, Z38204, A678470, AW137248, and AW198143.
HLMHM83	669	1039491	1 - 1224	15 - 1238	BF794192, AI986229, AI290806, AW084755, AW341433, AI246657, AI347940, AA543086, AI222741, AI190369, AI697075, AI697244, AA429265, AA916401, AI283197, AA428446,

AI281218, AI739306, AI361787, AW518035, AI826039, AA458609, AI394039, AI673664,
AW855032, AA503721, AI797426, AW079412, AW605986, AI539006, BE062963,
AW834294, BE062977, AI720845, AI908630, BF754736, BEI50211, BF935260, AA909821,
AI470687, AV745644, AV746216, D45723, AW006302, BF913616, AI866798, AW827289,
AI915295, BE964497, ALI19791, BG031664, AI567582, AV689723, AV684075, AI560679,
AW058341, AV758455, AW193850, BF339322, AI859464, BE962210, AW834325, BF883591,
AW806761, AW162194, BF814527, BF828245, BE544111, BE964614, BE963040, AI471361,
AI345010, AW022636, AI266558, BF752999, AI784233, BF921291, AI139104, AW999906,
BE968721, BI925370, BE964617, AA580663, AI434731, AA761557, BE965724, AI648699,
BG261282, AI471429, AI950895, BG105895, AI091468, BE138658, AI929108, AW163834,
AI345608, AI345688, AI623941, BF726183, AI690813, AW083168, AV716075, AW058233,
BE388689, BF911528, AI932949, BF793462, AW084056, AI345471, AI445620, ALI36652,
BF531010, BE874813, AI932989, AI581033, AW194014, ALI14703, AI589428, BGI13851,
BF990285, AI868163, BG053036, BE896769, AV742698, ALI18781, AI887775, AV738730,
AI690472, BE393359, AV712606, AV681927, N81195, AW059828, AI922901, BE789376,
AI537837, AW020419, AI758812, AI273899, AW161202, AI866461, BF753056, AV702021,
AI588213, AV756633, AV756182, H89138, AI047344, AI609365, AI564716, AI494201,
BF699668, BG253536, AA499923, AI513773, AI624529, AI540674, BGI80475,
BF814447, AI333104, BE540578, BGI13299, AI044466, BF342070, AI340519, AI285439,
AI521799, AA908294, BF822127, AI340603, BGI80046, AW082552, AI499986, AI918408,
AW055252, AI537677, AI872910, AW051088, BF814521, AI225000, AI671642, BF672397,
BF811802, AI567940, BE965355, AI267185, AW078689, AV733824, AI560227, AW151136,
AI918554, AI344931, AI561356, AW263569, AL036705, AI500523, AV750565, BG023758,
BF764538, BE009150, AI799540, AI633062, AA420722, AI249257, AI560545, AI284517,
AI933992, AA665612, BE011880, BE047952, AI289791, BGI05812, AI259644, AI445999,
AI538885, W48671, AI625589, BF812936, AW024793, AI050666, AI925402, BGI04683,
AI758569, AW088605, AI583032, AL039086, BF924884, N22276, AI43611, BE155168,
BE974031, AV736808, AI889147, AW025279, AI582932, AW020095, AI050881, AI500061,
AI491710, AI699020, BE890685, AW130949, AI521005, BE907440, BE891869, BG001293,
AI345745, AI621341, AA641818, AK026923, U33271, S63521, AF116698, AL050277,
AFI16650, ALI33565, AK026571, AF271350, I48978, X82434, AB033884, AL355701,
U35846, AL031346, AFI30055, ALI37478, ALI7583, AF039138, AF039137, AL035458,
X06146, ALI62003, AK026649, S77771, AL389935, AFI11112, AK027103, X00861,
AI91565, I89947, AI37777, ALI33104, AK000655, ALI17626, AK024974, AF017790,
AF026124, AR038854, ALI62083, AF218005, AR059958, AI08913, AB007812, M92439,
AK026600, AF169154, ALI3619, A57389, AFI00931, U67958, AK026590, AI08912,
AB047609, AI12121, AI08910, AV004290, AK024524, I8993I, AI08909, AL389983,

HOUDX670	670	103958	15 - 1611	1 - 1597	AK026522, AB047941, AK026591, AK025113, AF056191, AR087170, AF321617, AR083266, A80908, AK027082, AB048919, AL157480, AK026741, AF119856, I30039, I30134, AL353940, AK000647, AF185576, E01614, E13364, S76508, AL137463, A08907, AF130066, AF151109, AL122098, AF090903, AF158248, AR068753, AB047904, AK000690, AB029065, D83032, AL137300, I00734, I89934, S61953, AB049882, YI0655, AL137627, AK000206, AL137556, E03348, E03349, I26207, AB033881, X52128, X92070, AF218023, AX000753, AL359601, AK027144, AK026927, E00617, E00717, E00778, S68736, AK024538, AF130110, E02221, AL137548, AF008439, AF182215, AL137479, X72889, AR011880, AL049382, AL133640, AF177336, AK025084, AX045627, AL161953, AF111847, S79832, AF022363, A08911, AF077844, A08916, AF119894, AK027096, AF159141, A238278, AX019230, AL050116, AF113676, AL117432, AI001838, YI6258, YI6257, E02756, YI6256, AK024992, AL133054, AK025391, AB04913, Z72491, AK027161, AL162006, AF305835, AL359615, AK026551, A03736, A01275S, AK024622, AK026408, AR013797, AL04928, AB026675, AB050510, AK027204, E15524, AF142672, AK026630, AL389957, U49434, AL389951, AX019229, AF227198, AC004200, AF113019, AF017437, Y16645, AL357195, AL133093, AF087943, AF143723, AB047930, AB049880, E01314, AL117578, AF130075, AL122045, AK025708, AF199027, AL137641, AF102578, AF055917, AF061943, AF285167, AF175983, AF116682, AK024570, AF155148, AX027129, AB032264, AL162002, E15582, AL049324, AK027081, AF119875, AK026885, AK026797, AK026762, M27260, AK025015, AK000310, AK025254, AL133062, AK024566, AL050138, AX027129, AB032264, A27171, AF146568, AL050155, AF308800, AL050393, AL133665, AK024546, AX026824, AK000486, AX026823, A58524, A58523, I89944, AK026462, D83989, AF162270, AF067790, AK025378, AF113694, AK026464, AL137526, AF113677, X56039, X60786, AB049900, AK027173, AF177228, and AI346321.
HCYBI10	671	103959	15 - 1716	1 - 1702	AL526552, AL329569, BE300326, BF343474, AW173245, BE907221, BF526703, BG117100, BG118993, BE731203, BE536398, BE563511, BF307443, AW748479, N36307, BE789360, BE297472, BE737167, N31152, AL039679, AI911101, BE884203, BE734924, AA447600, AA147576, AW894544, AA448099, H49186, AI940110, AI752657, H05170, BF76400, BF750545, H58569, AA448075, AL157923, T08301, N42794, AW607899, Z19259, T10191, Z45841, FI2064, BE247381, BF088793, T06334, H54538, N40492, AA376319, W20031, BE244355, AW238940, BF921416, AW843056, AA345246, AW689784, BG168733, BE247386, N26944, AW604060, AW843060, BF303785, BE885765, AA345389, AW789333, AI339151, AI492232, W30828, AV660518, BE909958, BF935407, BE870969, AA099601, BI990573, BF917262, AW364426, BF757047, AW607378, and AW071083.

HMEFK29	672	103965 2	1 - 1038	15 - 1052	BR85430, BF856260, AI097372, W76417, AW351543, W72789, AW497996, AI201242, AI239673, BE504020, AI125890, AW384017, W94549, AW204883, AA063004, W81183, AI359730, AI698103, W92622, AW665053, AA075526, BE671677, I58604, AV705531, BE780808, BE503247, BE505011, AW955391, BF74760, AW050613, AW135973, BE908855, BF056323, BE551179, AI871753, BE549759, AA075583, AC002398, and AI137752.
HAOSK79	673	103966 3	1 - 756	15 - 770	BG032338, AL525292, BF796384, BF692056, BE745991, AV716068, AI569781, BG029520, A1052735, BE893878, BF797308, BE888132, BF979000, BG178102, AA781104, AI571797, BF976824, BG256579, BG104520, BE544942, BE865636, BG029823, BF035701, BE261824, AV760223, AV757406, BE564641, BG117456, BG030051, BE899066, BF103712, AI59181& BF687712, BF984230, BF184810, AI870484, BG032825, BF695460, AW957275, AW874587, AW51957, BE866479, AI073718, AA203476, AW575580, AA781338, BE895698, AA706787, AA436999, BF571031, BG030598, BE894780, BF185164, AA081272, AA007621, AI187853, AA075073, AA007645, AA705520, N93408, AV039876, BF516104, AI037954, AI970768, AI192508, AA461023, AI140876, AI693655, AA081273, AA405947, AW272792, BF694018, BG004515, AA041520, AA812948, AA442827, N93319, AI362866, AA075235, AA476952, AW261964, AA074947, BE904476, N55691, AI002602, AA092412, BF685238, AA405385, AI033949, AA075247, K83062, AL525252, AA430032, AA477063, N55467, AA555210, BF036251, H64056, AA772482, AA287547, AA430241, BE184054, AV758639, BF983295, AI445235, AA764752, AA287855, AA780128, H58693, H94652, AA960936, AA314652, H52308, BF218627, AW023686, AW750100, H90483, AV082280, AA627719, H77520, H77519, H60872, R70335, AA055312, AA055311, AA404964, AV733433, AI338258, H60873, H58303, H67960, AA644227, AI183954, H67633, H66113, AA693507, N73057, H64006, AA405133, H66007, H90427, BF979261, N51912, AA286786, AI933075, AI811894, H82677, AA806062, AA287854, R93232, R93114, AA380236, H82417, H52544, BF965661, H67910, R83011, BF037529, AA352192, AA287672, AW750040, N23584, AI498735, BE391888, BG105162, AA383395, AA249470, H70200, C21248, AI910658, AW796237, AW957287, N76842, BE323455, AA033896, AW602820, AW404603, T25511, AW796097, AW796134, BE972716, BG032865, BG033115, AW796271, BE540031, AI346766, BF033757, AF095287, AI223953, AF075242, AF062649, AF20720, AF200719, AF095289, AF179298, AF095288, U73030, AFI16538, AF071209, AFI67561, AFI67563, AFI67564, AFI67560, and AFI67562.
HPDRV42	674	103968 9	1 - 1739	15 - 1753	AL533202, AL535156, AL517857, AL535596, AL531934, AL531833, AL513982, AL531770, BE799237, AI517032, AU117426, AL533161, BE797596, AU123247, AU141035, BG163895, BG109757, BE396435, AU126498, AL517886, AL045490, BE799456, AU123454, BE038993, BF984427, BE381609, BE905177, BG034215, BF793209, BE871282, BG122256, BE905819, BG168462, BE879496, BF340027, BG165885, BE745016, AV694660, BF968093, BG167333, BG121075, BF526083, BF526778, BF917367, BE269926, AW168896, BE158012, BE407984.

| HOP3D35 | 675 | 103970 3 | 1 - 2687 | 15 - 2701 | AW384450, BG104493, AW080241, AL517031, BF410229, AW853173, BE901066, AW192666, AI687129, BE407926, BF978081, AW364016, BE677638, AW861515, BE907993, BE547233, AV657531, BE252654, BE296719, AW861322, BE788713, BG251593, BF971306, AI633154, BF038741, BF333253, BG111498, BE742880, AW239512, BG180323, AW861518, BF206432, AA287804, BF971218, BG119133, AW640671, AW384099, BF801756, AW384105, AW384090, AL513981, BE513604, BF344938, BE868578, AW364025, AW582693, AI920844, BF317005, AW375923, BE874092, BF816510, BF375667, AW088421, BF367018, AL519303, AW392510, BF760567, AI969604, AI421275, AW754178, AA305870, AI573161, BF375669, AL037404, AV734544, BE844264, BF963356, BE298661, AW384061, AW857726, AW754171, BF912907, AA744920, BF312140, BF241695, AV696881, AV696907, AV696399, AV264884, AW857219, AW194183, BE251150, AW630850, AA442567, AA994244, AW602034, AV747203, BE537072, BE262363, BF362035, BF710167, AI287369, BF369085, BF967996, AW239419, AA628393, AW363319, BB69328, AI557527, AW384079, AW386892, AW384077, AW837030, AW139050, BF726062, BF917301, BF754531, AW857722, AA781397, W77984, BF678463, BE768664, AW578896, N35428, AA424905, BE871781, AI001019, AW753221, AW861511, BF957565, AI122876, BF917545, AW349477, BE821692, AI952355, AA086130, BE150327, AW241392, AW857725, W19550, BF362129, BE000035, BF754526, BF035090, BF575914, AW880711, AW578891, AA173377, AI358327, BF959635, AW954127, AI282874, BF969224, BF332271, AW627590, AA148823, AW748339, BF033106, AW384065, BF917302, AW390430, AW954128, AA435729, BF367004, AI36929, AW751669, BF351630, BF326277, BF362201, AW857724, BF724689, BF962437, AA728763, W73940, BE700967, BF377732, AW959602, AA150425, BF814999, BF362297, N24034, AW582675, AW377714, AA084549, BF736212, AW977606, AW386933, AW698804, AI097063, BF368262, DG027351, BF368255, BE180007, BF917079, AV683758, AW360774, AA249146, AI557528, AW384058, BE166066, AA150406, BF380127, AW842636, BF962131, Z49835, U42068, D16234, D83485, D16235, U75886, D63378, M73329, X12355, U75875, U75880, U75881, U75885, U75879, U75883, U75884, U75877, N23459, N26334, N50256, N64246, W19996, W25330, W93791, W94028, N90424, U75882, U75878, U75876, I70775, R48406, H58331, H58720, H94513, H97468, H99219, AA025537, AA025680, AA026317, AA02631#, AA099068, AA115309, AA149689, AA281023, AA091454, AA214679, AA722608, AI357864, AI63655, AI634348, AI612792, AI680424, AI686783, AI784386, AI818890, AI824530, AI889864, AI912855, AW008772, and AW148575. AU130672, AU118875, BE741906, AU130252, AU132148, BF182993, AU123320, AU132352, AU138796, BE778256, BF780163, BG169282, AU139031, BE616414, AW027536, AV718137, BF973967, BF700458, BE784615, AU129813, BE890390, BF315440, BE272979, BE616667, |

2173

HTFNP84	676	1039748	BE897764, AU134679, AW965772, AU138194, BE349968, BE250883, AI690896, BF665492, BE873042, AW360795, AW130554, BG249313, BF683245, AW449080, AW402558, BF350860, BF350858, BF968112, BE857380, AI677763, BF207651, BF227671, BG106881, AI689098, BF102576, AW113413, BE158188, BF350861, BF350854, AW360814, BE158164, AW952434, BF214724, AA310157, BE857142, AW204753, BF679998, BF350857, BE161440, AW847154, BE220301, AI632832, BE859065, BE158133, AI248088, AI381609, AW090829, AI472930, AW516117, AI281978, AI298276, AI609380, BE261624, AI375461, AW885966, BE907641, BF697655, AI796145, BF334223, BF744525, AW337524, AU151889, AI653761, BF061126, AI446744, AA148027, AI694506, AW503654, BE151629, BF958414, AW237787, AW608266, AI126056, BE158165, AI379005, BG261378, AA045478, AI143219, AA599120, AI373124, AW674599, AI59844, AI652830, AA441907, N35385, AI298193, BE313543, BE350529, AI493610, BF697636, BF696608, AA639163, AI434102, BF885378, AA219686, AA576338, BE465501, AI143798, AI439513, BE548640, AA465784, AA665784, AI90945, BF376173, W51779, BI998843, AA830531, BE151640, BF341410, AA442014, W63613, AW156627, AA743136, AA789073, AA912063, AA491085, AV741981, AA332667, AI097646, AW635235, AA043881, AA835956, BE793908, AA857388, N35030, BF694137, BG256479, AW837761, AA312177, AV743308, AA610115, BG180692, T34541, BE766960, AT08195, AA044000, BF308003, BF732956, BF372210, AA507687, AW674527, CT5320, AW390153, BG025855, AA278358, AA505937, T03728, AI572478, AW901090, BF350856, BF317330, AA352684, W24399, BF372194, W17064, AA046548, AA676666, AA372766, T36278, AA317451, N89650, R02217, AD77207, BE880833, AW901091, AA853893, AV739946, T16228, AA475148, AA471138, BF828771, AA491236, N51886, BF856998, N45039, BF336225, N83212, T25366, AI934174, AA355914, AA809244, AI521918, AI633975, AA355801, BF222281, AI344969, BF995477, T25367, AV739114, R02104, AI282774, T3414, AW74696, N48028, T52552, AV737951, BF355822, AW607858, AW474690, BE155225, AW97107R, BF372221, AW352091, AI973026, AW149248, BG177978, N55703, AW020060, BE83640R, BF086071, BE143052, D1217, AI266162, BF089891, AA278346, AI91648, AI569379, AI282790, AW817489, AI561294, AI932909, AU138848, AI274411, W22138, BE089092, BG023383, AF035262, AK001552, AF035263, AC004585, AP000072, AC011742, AL137010, AC005919, AK023653, Z59826, AA553916, AA587976, and C02168	15 - 1484
HTHDT76	677	103987	AU131060, BG170335, BE874646, AW965920, BF103784, BF132717, AI916675, BE542516, BE545072, AU126699, BH925786, BE542794, AU153996, BG249086, AU128730, BF688040, BE871409, AU133302, BF695692, AA172248, AA279942, BE565526, AU118039, BE696974, BF754790, BF028759, BE865874, AA301103, BH978940, BE141144, BF66692R, BE563965, BF185183, BF211791, BF261245, BE005656, BF758436, N85422, AA327978, AI540751, AU127595, BE080860, AK001323, AK023267, L11316, and L137710, BE547763, BF879014, AA150271, AA150373, AI148532, BF223784, AU135981, AI038383,	15 - 1808
				1 - 1470
				1 - 1794

2174

		1			AA531267, AI312037, BF821347, AW965335, AI140089, AW452803, AA682501, BE872541, AW662878, AW770771, AW439534, AI381570, BF821363, AA970102, AA779623, AI038035, AI868009, AA971575, BE847476, D80461, AA961477, AI335837, AI493492, AI687632, AA84551, AI654283, W61187, AA292494, AA187340, AI042098, BF346650, R74352, AA04340, H28476, C18195, AA292444, AA367472, D58763, AA235510, AA236696, W61186, AA654986, R74430, BE671432, D80826, AA136291, C16956, C18768, AI867623, W9316, BF885873, D80825, BE782260, AW966825, AW364460, AA317894, BF883178, AA33179, AA033633, I12258, BF845968, AA843749, AW581108, AW581302, AA654213, AW148433, BE549948, BF842800, BF131729, AW935999, BF115084, AI538722, Z78307, AW450031, BE795270, H39970, BF229287, AA188465, AI677651, AW579159, AA533106, AA814679, AA747679, AA250744, AB002335, AI117404, AK001876, AB023228, AI080133, AF21937, and AI355094.
HSYEC21	678	103989	1	1 - 4229	15 - 4243	AU017302, AU123126, AI337321, AW08492, AI94023, BG105936, AI98981, BG115461, Z99413, AV752874, BG164521, AI830368, AI131231, BE046108, AW951238, AW593926, AI134557, BG259862, AW631373, BE328781, AW851082, AW029158, BE789679, AW961129, AA442913, BF793879, AW663665, AW022139, BF432072, AI434336, AI436090, AI809757, AV682735, AW768573, AW439527, BF083068, AI913448, AI440089, AI341304, AV718717, AI90267, AI147127, BG025485, AW61337I, AI795941, AI76597, AI216333, AA578569, AI570253, AW235152, AA760815, AI056839, AW439931, AI215415, AA732638, AU153007, AA927068, N29456, AW19006I, AA041498, W95177, AA761960, D82513, AI358I33, AA776029, BE326691, D82515, AI033177, AI752749, AA262804, AI204230, AW192067, H15877, AW008388, BF750393, BF217438, AA397563, AA026006, AI434349, W94597, R51526, AI859270, BF223414, BF431093, AA806627, AV655427, AA78I883, BG178000, H43399, H43767, T28485, AA731599, T79974, AI718564, R53656, AA134349, BE156349, D82467, AV657727, AV657350, AV657690, R11928, R53074, BE70224I, W58753, AA025218, AA593057, R51325, H74151, BF114660, R15295, N41480, BE875554, H98205, AW954282, AW959453, AW182028, AI863791, AA134348, H47642, R93603, Z43506, H43344, AA041264, BE537020, H29807, H47947, AI370277, D82386, AW842224, AA300686, R02057, BF085644, F05667, AI695688, R25259, AA279606, R41222, AA934641, R19900, Z38623, R02056, T29666, W05800, AW892808, R93604, AW363222, AI039132, AI750184, AV736213, T29285, M86031, I98204, AI926218, AI470448, BE143058, BF541917, AA385114, N72769, AV686989, AW61122, BF81825I, AI256144, BE598943, BG027822, AA82877, BF213906, AA096386, AV689120, AI865601, AI865462, BF085643, R53163, J04027, L14561, M95541, M95542, X59069, AK027053, X53456, AK024895, I03753, AF070606, S49852, AF287015, L08769, AF076783, L04739, I58000, AF216705, AC007314, M25824, and AW08347I.
HKGCC025	679	104038	1	1 - 738	15 - 752	AU123678, AU118105, BG027584, AI207407, BF974367, BF973516, BG259718, AU123965,

4			BP970434, BGI07244, BE258547, BE890404, AL517860, BE388162, BF795164, BP967682, AI749737, AA642209, BGI07118, BG180133, AV714261, BF345922, BG113295, BE693758, BGI09498, BE621536, AI888672, BE693776, AI890575, BF684142, AW14810, AI985751, BE536158, BE88I387, AL514074, AI910996, BE617523, AI613444, BF979991, BE926491, BE748880, AW975867, BE562442, AW026187, BE937224, AA463350, BF331308, BF968677, AW089874, BFI32803, BE876493, AW275808, BE544407, BE536798, BO026464, BE548933, AW938112, BE873276, AI591115, BE693771, BF308468, BG112803, BE544105, AB72463, AA504731, AA160284, BFI32989, BE220696, BE831633, BE870812, BF668540, BGI07584, AA581366, BF214198, BE936474, AW022247, BE54717I, BF663192, BF975564, BF975670, BF203848, AA613926, AL513773, W68381, AA974654, BGI77005, BF737461, BE302403, BF81B218, BF437323, AI474126, AW270729, BG109180, AW362917, BF737992, BG024211, BE965760, BF664447, BE79010I, AW362904, BE302131, AW263998, AI811519, BF464955, BF753084, BF238891, AI608766, BG110891, BE926527, AI635182, AI935294, AA176782, BE540256, BF753077, BE737233, AW731699, BF348922, AA652813, AW673875, BE536682, AU144908, BF669831, AI978716, BG116086, BE973542, BG026168, AA169276, Z21160, BG116026, AI862701, BF685146, AI689671, AI952720, AA947935, AI955286, BG252078, BF031533, BG055221, AU145014, BF211510, AW316556, AW360809, BE464960, AW674649, BE018843, BE328642, AW360824, BF030655, AA676616, AA127472, BE88621B, ALI20666, AA329338, BE208259, AI017431, N67918, BG11524, BF969523, BG027922, BE466268, AA836769, BG634243, AA46385B, BG113511, AU139343, N85166, AW81985, AI916464, N63379, BE328499, AW673547, BG026114, AA447854, AW664200, AA41I497, BF570086, BE747462, AI079789, N81179, AW518369, AA195437, BF803130, AA357441, AA101058, AI707664, AA774179, AA554566, AA968507, AA384381, BE734254, R48491, AW089246, AA205970, AA857683, AI917908, BE895969, BE541178, AU130863, AD53530, AA360799, BE277894, AL532923, BG109514, BF664321, BF671105, BE88O035, BF095020, T5020, AL517861, BF377618, T93704, BF81I881, BE882033, AU145687, BF804799, BF804803, AF202360, AA356107, AF202359, BE939042, BF095042, AI344757, AW40I448, AU155967, BF796383, AA102460, AI073573, BF971137, AA331446, AA329105, BE733637, AU145684, AA102519, BF753362, N87331, BF447744, BF900479, BE170370, AW392261, AW379724, AU118697, BF81I854, AA857682, AW12967I, BF664492, BE350637, AA422160, M86667, ALI62068, AX015397, DI2618, AF062594, X61449, AF114156, AC006157, AL135818, and AL133153.
		15 - 2990	
HNOJN70	680	104038 5	1 - 2976	AU11907I, BF966048, BGI66677, BG119979, AU12877B, BE893615, AV681724, AU12928Z, AW950481, AV703640, AV704484, AI972815, BF000482, BF794196, BE889106, BE536036, BE537475, BF700163, AI954186, BE886104, AI693320, BG236249, BH675355, BF240902, AU151441, BE552164, BF029979, AV880628, BE599114, AW172716, BE326343, AI480116, AA772153, AI693385, BF688083, AW974556, AW512084, BE048759, AW965923, BE644644.

HADFS31	681	104038 8	1 - 3839	15 - 3853	AW166116, AI953781, AA772136, BE464821, AW008173, AW880617, AI983719, AW19265, AW886240, AA205324, BG230756, BE541979, AI862701, AI992295, AW770425, BG058707, BF214703, AW963530, AI620307, AI076734, BF246085, AU123474, BF968171, AI242706, AI926158, BEI43412, BF003150, AA828942, AA487271, AA149575, BE549854, BG113405, BG034148, AI373024, AI422673, D11545, N62851, BF094009, AA151791, BP240248, BE302401, AU145684, AU144275, AA225924, AU146267, AU146154, C06382, AA40405, AV702891, AA837197, AA487388, AA262816, AI251934, BE541624, N64787, C0515I, AA806053, N67463, C02425, N77758, R78094, AV704639, AA496439, AI267588, AH435396, BF718639, BE503071, BE780348, AW136784, AI142767, N76199, AA421263, AL135216, AA581476, AW629952, AA811001, AA102524, AA261939, AA426276, BG260024, BF246289, AA496488, R78515, AA86246, AA620579, BE876493, BE790010, AA082708, BF591544, BE855782, AI362074, M78876, AW026306, AU075348, BE349977, AA22348, AI083733, BF591560, BF993565, AA64835, AA273316, AU148078, AA262815, AI270735, AI799202, AI669447, R22387, AA160285, C02916, AW079254, AV751271, AL514135, BE918839, AA380160, AI093880, AW367347, T16262, BF125088, BE675133, R78181, AA748669, AW613446, T31816, AW204421, AW411489, AA045056, AI817500, H41731, AA441826, AA081937, AI803541, AW874019, AA639001, Z38961, AI361946, BF477462, AI127936, AA649340, D31110, BE301027, AI066570, AW589511, AI500472, BF848410, BE328545, BF110537, AA34541I, AI357670, AW673707, AI479118, AW673795, AA311643, AU145633, AU174756, AU151894, BE302343, AU146306, AU146306, AA626103, AI061276, BE349877, AI784598, AA45614, AA226080, AU144634, AI183384, BG110193, AU145198, BF971137, AI653590, AA054159, BG177005, BE885278, AA071442, AU155504, R78560, AW769647, AI886198, AA127472, AU145687, BE544105, AI283345, BF975564, AI955286, F06042, AA48162, AI952720, AI631162, N67918, AI079789, BE676885, BF194840, BE675342, AA836769, AI169276, AA41149, AI918869, AA176782, AU144908, AA676616, BE169513, AA167113, AA156113, AA455720, AA974654, AA613926, AU132707, AA363162, N63379, BF211670, AF300335, AK021751, AL162068, AF086080, AL359197, AL135818, AL133153, M86667, AP000426, AF002992, AC079844, AL078605, AF062594, D12618, X61449, AX015397, T89645, T89919, R21871, N28359, N77065, AA03244, AA044935, AA255453, AA522882, AA730326, N88852, N89408, AA206598, AA421361, AA441853, T10506, Z30218, Z00412, AI365165, AI582493, AI610063, AI678881, AI696407, AT700088, AW083757, AW088874, AW518451, AW510098, BG164377, BF970569, BG108453, BG054547, BG113286, AW854245, AI307808, BE073174, AW61I910, BF050065, AL533547, BF672443, N41320, BG171055, AW959510, AW059075, BE644771, AI703292, BE872388, AI469972, AI566092, AA607303, AI393055, BF030410, AI445560, AA131931, AI951484, AI972988, AW085169, AW341588, W01556, AI494498, AW387794, AI911847, AW451929, AI14157B, AA131930, N39005, AW073488, AI560000,

AA682244, AA133472, BE672449, AA603061, AI088722, N70848, AA889060, AI521674,
AW057639, AI094990, AW026385, AW387884, N35020, AI038106, AI620290, N71126,
AI801708, N47801, BE780012, AI393673, H11819, AA058539, BF694471, AW854184,
N34391, AA14877, HI0245, HI7932, AI866150, N57531, W06838, AV716837, AA417714,
AI867900, H08011, M78274, N45028, AA830221, AA513232, AA057060, AI537013, Z42925,
R65634, AA152297, HI0196, H11742, AW663352, F05489, AI912940, N30704, D254715,
AI129217, R47453, AW207747, RS1265, Z39045, RS1266, R39430, T24056, AA383588,
Z44843, F01755, F03814, R12858, N48451, R67015, F05474, C01600, R42298, AL533502,
I07915, R1G350, AI21434S, AI365625, AA412728, AV742175, BE391171, AI753488,
R36084, AV70378S, F01735, AV762430, BF847612, BE968744, AW471092, AI310787,
BF805088, AA758131, AW194077, C06046, AI872000, I27788, AW969743, AA315361,
BF854308, AI890324, AA483506, AA318411, AA570740, BI281645, AV743462, BE893315,
AA385250, AW35708, AA629412, AA42420, AA600132, AA515728, AA515138,
AA568204, AI612142, A760655, I90844, AW512113, AW328446, AF214680, AC009079,
AL355530, AL132713, AF129756, AC010412, AC004840, 298304, 295152, AC002316,
AF165926, AC006130, AC004448, AC007637, AL357701, AL050140, AC000026, AL096700,
AK023664, AC005533, AF047825, AL035400, U52111, AB029020, AL049779, D87675,
AP001629, AC002306, AC005282, U91326, AC006538, AI236701, AC005746, AP000347,
AC008078, 297876, AC011479, AC002544, AL365950, AC005585, AL049766, AC008764,
AC006241, AC007786, AC010463, AC005747, AC005874, AF134471, AC000050, AC009060,
AL391114, AC004965, AC005052, AC004531, AC011811, AC005391, L48038, AP001052,
AL354750, 298047, AC005722, AC004997, AF003626, AL031774, AC004491, AL121601,
I4294, AP001752, AL139100, AX039602, AC007934, AC022588, AC009516, AC009999,
AC004621, AP000555, AL031772, L78833, AC011444, AC063112, AL121983, 297054,
AL080249, AF03458, AC020906, AL033529, AC006452, AL109825, AL139384, AL022162,
AC005004, AC004487, AC020916, AC008920, AL117337, AC005013, AC004752, AC005527,
AC002538, AC002301, AL096870, AC005237, AL033383, AC010311, AC005081, Z84466,
AF111168, AL121771, Z84480, U63312, AL136419, AF111169, AC004345, AL353653,
D88270, AC008569, AC007739, AF186194, D84394, AL031311, AL135839, AC002553,
AD000092, AC016965, 293930, AC005920, AC005480, AP000353, AL158040, AC005523,
L34079, AC006262, AC011470, AC007993, AC002394, AC003688, AL135744, AL163249,
AP000338, AC005932, U95740, AL034423, Z83844, AL136179, AC007366, AC003070,
AC020663, AC006084, AP001748, AL022163, AC006433, AL035462, AC002464, AC007055,
AC004230, AL122020, AP000692, AL132639, AF116548, AL096703, AC004846, AC006441,
AC005529, AC007686, AC008543, AL390209, AC02090B, 292546, AC004922, AC003982,

					Accessions
HJBDC89	682	1040569	1 - 1435	15 - 1449	AL159168, AL121777, Z85996, AC005229, AC004656, AL133260, AL161903, AC000353, AL035086, AC008720, AC006449, AC005829, AL158196, Z94056, AL121891, AC018758, AC005014, AC005971, AC010289, AW002015, AL122125, AC005031, AL020997, AC008736, AL008715, AL121926, AC004685, AL109956, AC005280, AC000118, AC024075, AC007653, AL135749, AC040000, AL031281, AC004967, AL136969, AC004089, AL162390, AC005231, AFI16546, AL079340, AL031577, AC005082, AC005730, AC004913, AC004083, AFI07885, AL117381, AC01654, AL163268, AL133448, AC005377, AL354674, Z97832, R36178, N48629, AA417863, and AI885788.
HTAIX75	683	1040591	1 - 756	15 - 770	AW953446, BE792468, AI051989, AI128893, BP220324, BE549353, AW956873, AW009905, AV751585, BE251103, BF973368, AI310510, AA703004, AV751891, BE973862, BF033333, BF197271, AA910262, BE266993, AV441419, AA890707, AI339233, AA887323, AU151115, AA306175, AI200470, AI053882, BF035058, AA641095, AA65247, AA679821, AA593627, BE883034, AA082991, AW675300, AL157587, AA083148, R52335, BF08792, BF197102, T64853, R32334, BF674548, F90900, T08457, AI719735, AA35634, F12274, BE874556, BF444928, R94927, AA580037, T72595, AA65234, AW473407, AA30935, AI721010, BF525686, T08456, BE168731, R95011, AA59385, BE164522, AI35215, BE169297, AA588306, AW815166, AW815109, R21419, AW167476, AA506721, AI394330, AA642882, AA93907, F09641, AI984620, HI7612, AV725813, BE38005I, AI135371, BE886923, AW439106, AW953295, AV722866, AA862969, BG163790, BF212074, BE870915, R57033, R66798, T65164, BE56621, F15256, AW815164, AW614319, BE064228, AW001817, AA724375, R42976, AI092698, AW33841, AA365565, BF431158, AA36564, AI767448, BF73923, AW95972I, BF221927, AA889202, AW815163, AW501169, AA350822, AA593964, BF954327, BF090088, BE160156, AW795832, R48126, BF960610, AA779908, AA045537, D86724, U82256, U75667, AI018045, AL049779, U90886, AF032466, U90887, AF045964, and AF045963.
HODBO29	684	1040620	1 - 896	15 - 910	AL520854, BF12615, BF525816, H48321, HI7689, BF376847, HI7759, H09891, BE830948, BE830958, BE83097I, AL524180, H09234, AL524181, BF999727, R12299, Z42268, AL520853, T85877, Z41861, BF829713, BE705874, AW351575, AW375132, BF772251, and AK024423.
HOCOF27	685	1040631	1 - 851	15 - 865	AI885067, AI688253, AI570457, AV764603, BG163869, T16332, BF309856, AW406353, AV690861, AV690628, AA227293, HI8458, R35332, BE260548, AA151176, AA161419, AW40443, AA243390, R58860, BE312401, H29205, W80043, W02919, BF541769, BE741045, T34002, H84560, AI572320, W32649, AI907827, T16948, BE246518, I18566, AA447824, AA113191, AA126138, AI00826, X86032, AI014404, AR016567, and AFI24264.

2179

HSPSE88	686	104069 4	1 - 1201	15 - 1215		
					ALS22502, AI580032, BG167858, AI814677, AI523542, BF085511, AW248591, AI673372, AV717115, AW249030, AA706791, AW069122, AA552495, AW009843, AI887757, AA702426, AW967585, ALS22483, BG119938, BF084804, AI819028, AI769618, AW004998, AI003971, AA004715, AI767828, D51209, AW028878, W52965, AW514974, AA769293, ALS25127, AA837168, AI285801, W25980, AI039059, AW771651, ALS25128, AI311076, AW602162, AI869745, AA677218, AI813376, AI567875, AA618513, AI022994, AI052487, AA854146, AI266735, AI301548, AI832231, AI290695, BF084849, AA480013, AA934722, N26737, N20194, AI075621, AA668848, AI336515, BE139312, AA250959, AA670215, AA005144, W60442, AI336632, AI344914, AA705145, AI254375, AI590516, AI963828, AI318382, BE139400, AI583883, AI420764, AI590506, AA084523, AA483679, AA214591, AA250936, AU157618, BE857751, AI318600, AW407012, AW083623, BF002850, W26823, C06455, AV735834, AI241622, AI886710, BF055934, BF735232, AI318622, BF054864, BF718700, N29095, AW075037, BF055923, BF718706, BF718780, BF718679, T31522, AI250134, F29530, BE090812, H50863, AW023092, AW271291, AV745255, BF818430, AA856884, BE827076, Z30135, AV745621, AV686960, BG105965, AV688067, AV745595, BE708176, AV746034, H65158, AV750475, H50864, AV745496, T16485, AV745590, H53754, BF340024, BE065806, BE905806, AV746420, BF813703, BE465282, AA120927, AV745583, AA385893, AV745257, N34624, BF346625, AV740255, BE253692, AW953410, AI675235, AL036612, BF084807, AV746037, BE905887, H65110, AV796558, BE005886, AI929637, AV745706, W28921, AV736646, AV737270, ALS22501, AA309808, AV745991, W28285, BE764455, Z24835, T30568, AW189684, BF346696, AU138453, AA577951, AW189724, AI470855, AV739283, AV735293, BE092913, BE092992, BF332686, AW304361, AV745534, BF303636, BF332689, BE092904, BE775213, BF791676, BE139142, BF085484, AA367501, BE092923, BE645740, AW071427, AA211065, AA478966, C01872, AI281641, AI828980, AA811793, N55933, AW271045, AI280091, AW118844, AI583843, BF677954, AA742247, AV745203, AI902771, BF130510, BF818366, AA80491B, BF754682, AW011940, N86733, AV199628, AI000664, AW613495, AV745710, AV646906, AI500514, AI537643, AI537677, AW168406, AW051233, AA583730, BG029829, AV747873, AW075484, AI872555, AV162194, AW073996, AI621341, AI352326, AI540759, AI927233, AW827289, ALS14973, AI469801, AI470648, AI540674, AI573167, AI254341, AI589428, AI700159, AI564448, BF033296, AI620810, AI859991, AI590020, AI225000, AL513913, AI758309, U82130, AR040684, AR070431, AR040683, U52945, AF060867, AF060868, X82319, AF260436, AL359020, AI157480, D00174, S36676, AF113694, I09499, AF260566, AK024533, AK026021, AL137560, AB045347, ABW47930, AFI77401, AL139935, AL050277,	BE797855, BG030264, W92658, AA215344, BE733886, AW401967, AA466321, BF818328, BP913035, BF871209, AA394017, AA333488, U91543, AF006515, AL137693, AL110281, AL117491, AB007913, and AL035406.

HSKXM78	687	1040826	1-858	15-872	AK027161, AL355701, AL357195, X83544, AR072729, I48978, I89947, AK027102, AX046716, AL137656, AL080110, AJ003118, AF225424, AB048974, AL133557, AX046842, AL137480, AF113019, AK025798, AJ037499, AR038854, E01614, EI3364, X53587, AF130055, AF112208, AK000310, AL110218, AF087943, AK000432, AF111851, AL157483, S68736, U35846, A18777, AF218014, AK025484, AF044323, AF137367, AL137479, AL049314, AL117457, AR079032, A08910, I00734, A08909, AF028823, AK027121, AB048954, AF026008, E00617, E00717, E00778, I25048, AL157433, X66417, I29004, AL137463, A08907, X98066, A08908, AF119899, AF204760, AK000137, AX014095, AK026746, AF017790, AL137529, AK024855, U87620, AL353956, AF146568, AL050092, AF207829, AL035458, AL133560, AL137459, AL080162, A07647, AK025015, AL133016, AK025465, AF081197, AF081195, U49908, AK026532, AR083279, AF119894, AK024594, AK027081, AL049339, AF118094, Y08864, AF019298, AK026642, X70685, U90884, AK027103, A08913, S77771, AB029066, AL049347, AL359618, A18788, AR068753, AR000496, AL133640, U39656, E12579, AF079763, A91160, A08912, AL117435, A38911, AF116631, AX015425, X82434, A57389, AF119896, AK025357, AK000655, AX040974, AL096720, AR030513, AL110159, AK026534, S61953, AB049892, AF078844, Y10655, AR068751, AB016226, L13297, AK026086, A65340, A65341, AL137478, AL122050, AK026541, AF141289, AL117583, AX020124, AL080074, AK026927, AK000414, AF111847, AL442082, AR034821, S76508, X72889, AK000486, AK026647, A21103, Y11234, AF065135, A76337, AR072149, A76335, I92592, M96857, A58545, AK000206, I32738, AL110222, AL133606, AL133665, A17115, A18079, A93016, I89951, X79812, AF107847, AR031147, AF120268, AF111849, AB040710, AK000257, AK027188, AL122093, AR068466, AK024538, U88966, I89934, AC024247, AR087170, AK026542, AF113689, S63521, E03671, E12580, S82882, AK027144, E08631, AF155656, I25049, AF265236, AX019230, A91162, AL080280, AF007051, U57932, AF153205, AK026528, AL049324, AF031903, AF130056, AF022813, Y16645, AK027096, AB026995, AK026480, A77033, A77035, AL080159, Y10936, J32332, AF119865, X80340, AF115392, AF116609, AL157464, and AK026613.
HNLMB92	688	1040913	1-802	15-816	BE778880, AW816011, BF959875, BF512759, BE697738, AW994684, BE697734, AW993955, BE879998, BE697706, AA248841, BF836641, BF902690, AI251783, AA196706, BF004841, BE843972, AA337691, AW805127, BE925951, BF092498, BF092690, BF200617, AA393948, W87655, BF376916, BF954313, BF960296, BE938584, BF768665, BE886093, AU122554, BG031978, AA358761, BF920575, BE084190, BF885474, AI242978, AK001550, AK025060, AI132702, AC008114, and AC007551. BE395284, BF688969, BE619433, BF688497, BE619955, BF034699, BE795692, AU132971, BE394828, BG251090, BG036941, W80994, AV701506, BF407112, BF972848, BE265852, AR790010, BF725090, AI029509, AW95089, BF316261, BG117117, BF970035, AW161416, AV721738, BE728687, N56607, BF183092, BE392873, BF205782, BE274940, BF385584.

					Accession numbers
					BF027401, AV752634, BE408639, BE732777, BE728237, BE727430, BE252272, BE898301, BE900237, BE729809, BE740913, BF038928, BE409573, BE896163, BF032616, AW160845, AU126758, AV704801, AV749087, BF131472, AV702802, BE730434, BF213495, AW162928, BE207136, AL520756, BE935913, BF675428, BE378166, BF870268, W68631, AI929106, BE881928, N34237, BE81282, W37964, W40428, BF032782, BE795697, N32835, W81253, BE904363, W94206, N42281, AA809528, W04934, AV709328, BE256206, BG012283, BE710126, BE769912, BE940996, AA576958, AI193112, AW512400, AI075989, AW131584, BF058872, BE222704, AI188575, AI598179, BF732486, AI188510, AI928835, AI859419, AA514324, AW156951, AI937016, N41918, AI887790, W25163, AA573181, AA318112, AI033728, W68632, AV696448, AW088350, AI033984, H20599, BF676306, AW157617, AI090342, AA335816, AA379809, AA081035, AA843808, AA310457, AW163533, AW16284, AI140063, BE710180, AI569575, AU126650, AW896853, H83571, AA864843, W63786, AI19300B, BE074155, AI333848, AI570521, BE166541, N32580, AA716063, AA375374, N56833, E29945, AA854481, AA609404, AA776970, BE702998, AI090495, AI025881, R77153, AA328691, AI125378, AA49218B, AA56835S, W24358, BF98992, AA846502, AI199954, AA384800, AW948531, BE788352, AA319094, AA338574, W37904, AV748865, AI199954, AA384800, AW948531, BE788352, AA319094, AA338574, W37904, AA680342, BE736293, W81716, AW243813, AI342310, AW89923, BE958395, AA384210, W81096, N93340, AA709359, AI555754, AW948541, R31388, AA151371, AI879506, N94454, AA335677, AA826794, BF115580, AA029626, AI344619, AV700796, AA376091, AA335672, AW439289, AI564070, AI347744, AA335353, D53797, AI347372, AA375994, AW014113, AA729763, BE83597O, AI094568, AV631517, N25639, AW948543, AA508015, AA247434, BF766817, BE709952, R92620, AI042237, AI001111, N32413, AA011346, AA733138, AI952408, AI75397B, W81543, BE074154, AW886707, W81544, AA303278, AI906349, W30800, R63543, BE835935, AA364476, AW69848, BE732438, AW600651, AW608642, AW608644, AA862419, BF081701, BE835960, AI626124, AA405223, BF941699, AA740818, AF187064, AF187065, AI008708, Z99755, AF237783, and Z68873.
HE8ON57	689	104092 5	1 - 564	15 - 578	AW016248, AW027466, BF110174, AI537615, BF205424, BG163367, BE294995, AV685072, AV604867, AL532813, BF791966, BE280531, BI019871, BE689588, R58479, BF683953, BE252149, BE745812, BE538062, D80087, AW376826, AV376819, AW848374, AW376824, AW848735, AW848234, HI1901, AW578354, AW578356, AW848720, BE274355, BF969663, H58623, BE008928, AV707901, AW377761, BE543151, BF881008, W21607, T59768, BE392889, AW849075, BG105010, BE742244, T61979, AA150795, AA318803, and AK026004.
HOCOC14	690	104093	1 - 1639	15 - 1653	AI518928, AI518929, AI523989, AL522972, AL520654, AL530234, AI525704, AI524660,

2182

HCGDP49	691	1041049	1 - 1506	15 - 1520	BE734932, AL523990, BE616063, AL522923, AL520653, BE731039, AL528815, AI125327, BF971563, AU121502, BE408068, BE734938, BE733579, BE616725, BE551350, AU142110, BE887302, BE019956, BE561196, BG035894, BG251378, BE879259, BE787635, BE734772, BG024334, BE732747, BE531105, AU139052, BE512825, AW04282, BE267649, BE736817, BE797463, AW245839, BE880272, BG036310, BF305994, BE888636, BE559760, AW269411, BE73731, BE874495, AI874338, BE895907, BE732526, BE889079, BF980515, BE313007, BE733664, BE261191, AW025887, BE778134, BF338718, BE258304, BF308251, BE62472, BF204668, AI570173, BE269541, AI523807, AI798015, BE337975, BE732963, BG053398, BG257028, BE560427, BE559672, BG105763, AI693904, AI623556, BE548036, AW245480, AW468763, AW340597, AA411446, BE264562, BE892193, BE501622, BE208210, BF310786, BE788219, BF433761, AA730999, AW138366, BE206622, AI951026, AW662868, BE207633, BE258321, BE208354, AI928950, AW316553, AW571892, AL042711, BF805107, AI811540, BE615656, AI619639, AI34705I, AA448458, AI018662, AA311059, AW16891, AI208134, AI989392, AI797562, BF305411, BF778213, AI929204, AI359889, AA60972, AI623598, BE547532, AA824359, AW084058, BE542734, AI016414, AI422220, BG165497, AI949381, BF026772, AA176264, AA961962, AW207879, BE242341, AA075759, AI024098, AA693463, AA815024, AI682344, AW518377, AW139570, BE267097, AI469875, AA992489, BF343470, AA809911, AA593483, AA456176, AA010693, W79655, AA614851, AA291740, AA514279, AA876472, AA827321, AA512947, AI658741, AI682350, H47523, R53855, AW03338, BE36775, AI185263, AAI76263, AA112347, BE544672, H51240, AA66755, AA028115, AA295764, AA134798, AI76648, R75909, AA028118, H47524, AA813144, BF927787, R45594, AA359464, W81356, AI90826, AW076330, T51993, R68560, AI684678, AW16834I, BE895120, AA860965, W32737, BF81152, AA335389, AA991454, BE62771, AI872701, AA948319, AA91596I, BF54891, AA609388, T49869, AW848338, R25535, AI564883, AA551876, T49870, AA332151, T28632, R24448, AU123912, BF916394, BE937706, AA72378, AI886064, AA205594, H51205, AA157253, BE243482, R70578, AA074060, AA113145, AA291863, W31084, AA885389, AA037009, AA443111, AW084578, AA157349, AA693491, AA745946, W20492, AW364539, AW364551, AW364536, AW364549, AW364550, AW364531, AI000701, X06347, AI14656, AC020945, L15447, M60784, M60779, M60781, M60782, M60780, M60783, T51855, N55234, N77222, N98520, AA076329, AA205605, AA431562, AI452258, AI188213, and AW085901.	2

HOFMK22	692	104107 0	1 - 346	15 - 360	AA737962, AW236845, BE551669, AI621104, AA741168, AA834037, AI192714, AW206133, AA487751, AA992125, AI695843, H09788, AI306570, AI188987, AA024776, BE548887, AI653737, AW768833, T16803, AI918924, AA329661, AA567766, N60971, BE890846, AI802864, W05108, AA782636, T35612, AW291890, AW771688, H09874, W77957, AW207098, BE327186, AA024775, AI183701, H11234, AA041251, N50114, N75407, AI123009, AI000134, AA460551, AA935286, AA460550, H11233, N75413, AI198141, AA041185, R61638, BF594501, Z40588, BE218709, Z44785, AI91592, BF056233, AA320849, AA746712, BF806019, AH45734, AA973406, BF694218, N55850, BF975812, AI035653, AF285118, AF088060, and AI121978.
HBGNT69	693	104190 0	1 - 796	15 - 810	AU133809, AW24757, AW631437, AU141780, AL516064, AW095203, AL535497, AW239330, AL538255, BG115014, AA211149, AW249015, AU126504, BF093036, AL538002, BF149177, AV741584, AV738583, BE934466, BG002637, BE934447, BE293898, BG107041, BE788850, AW361739, AI557500, R18319, BG024330, BE260462, BE383537, AU117400, BE799981, BF844517, AK023310, AF61479, AK023927, AI238379, AK001316, AL109840, AC010102, AI238742, AI238741, and AI238743.
HSPSI42	694	104246 2	1 - 3700	15 - 3714	AI624015, AI806163, AI761336, AI239973, AW014766, BE464659, AA977211, AI674651, AI148345, AI866649, BE645052, AI125625, AI086758, AI128040, AI655162, BE551928, AII61332, AI655161, AV753160, AA610185, AW236531, AI292283, AA292277, AA477646, AI690722, AA394127, AA609466, BG059648, AI190454, AI018185, BF593539, AI829500, AI700453, AW196672, AI074772, AW341618, AW167322, AW302218, AA025586, AA838081, AI024041, AI041061, A87527, AA902915, AW594410, H14071, AA960210, H51531, AI50779, H14072, AI90999, C02480, AI671151, AW025750, I166637, W23707, AW341710, AW769637, W53307, AI567190, R11213, AA278295, H59857, AA359315, AI123865, AA293310, AII28283, AA339310, AA025710, BF934944, BF935648, AL047028, AI078227, AW604820, BG006575, BF725867, BE175407, BE175410, BE312886, AL048445, BE260545, AL096870, I18154, I41066, AF283284, and AF309389. AL537329, AL535764, AU125011, AL528428, AL533752, AL535576, AU125456, AU125645, BF026718, BE745954, BE792053, AA630332, BE740049, AU141066, BF034894, BE903114, BE742121, AI201168, BE740144, BE735567, AL516644, BE378821, AU125164, BE562488, AI937247, BE898530, AU124908, BE619144, BF967935, BF688475, BF311849, AL528122, AI279435, BF316813, BE792504, BF026094, BE746069, BE900652, BE561254, AW857789, BE798640, BG053830, BE383120, AL518998, BF974657, BF348245, BF796308, BE934685, BG260649, BG115158, AW363807, AU125397, AI951762, AI92389, BE561374, BE262515, BE734066, BI784040, AI956069, BF026686, BE292907, BE884663, AA769147, BE897193, BE747627, BF615324, BF971971, BE546212, BE389493, BE613370, AV656237, BF034293, AH09201, BE386001, BF975490, AA218856, BE79974, BE882271, BE883327, BE870012,

BE882660, AW857788, BE744026, BF791798, AW245706, BE207154, BF969414, AI888174,
AI817216, AI983235, AI887469, BG036961, BE878592, AV761440, BE208465, AW027402,
BE271949, BE868709, AI518987, BE265373, BE389516, AI922294, AA218917, BF127411,
BE263425, BE858687, AI073717, BE272277, AW673625, AW516317, BE019614, BFI25794,
AI064993, BE304402, BE868516, BE280734, AA085946, AI923725, AA602546, AI565024,
BF311266, BE886999, AA404297, AI812011, AL353763, AW673840, BE390563, BE255349,
AD924074, BE545947, BE898742, BE529674, AW385641, AW580426, AV695007, BE255065,
AW090031, AI887792, AD20765, AI223127, AA404254, AA427529, BF761996, AW384840,
BE266144, BE612644, AA058823, AI637548, AA404704, BG259387, BF805796, AA604366,
AA757438, AW392528, AA075582, BE396758, AI016318, BFI83223, AW385143, AA835526,
AU127204, AA42837, AI754835, BE701334, BE302080, AW380207, AI858841, AW008197,
AI653455, AA306011, AW247268, BE871424, AU149117, AW170338, BE255242, AU148768,
AL048989, BE966597, BE903092, AI951864, AW380198, BE208225, BE561563, AU148879,
BE515069, BG059819, BF594152, AW247284, AA478020, BG059914, AI889825, BE560980,
AA404679, AA689590, AW380844, AW651665, AW117973, BF436393, AW75201,
AI025977, AA633018, AA595997, AA708994, AA425890, BE018467, AV726027, AA64836I,
AA310525, AA430719, AI753602, AA838582, AI819077, AA290670, AI697231, BE539597,
AA845386, AW517255, AI830847, AI091333, BE50162R, BF663236, BE537826, AL119050,
AA769478, BF689283, BF803802, BF063968, N21136, AW754201, AI371226, AU149064,
AA088712, AI291289, AW501390, AI273324, AI802402, BF726043, AW590524, AW674160,
AA983162, BG057370, AA425962, AI880311, AA479847, AI917890, AV713162, AI283659,
AA633636, AA700918, AA826643, M58028, X56976, AI080319, AI083349, U58653,
X52897, D10576, AFI50963, X62580, X62581, AC069451, AC007585, AI003108, AFI27484,
AI003105, AFI12070, AI003106, U09051, AF088855, U09055, AI003109, AI003110,
AF127487, Z32547, AL137538, X72889, AK027116, AL12212I, U00763, J48978, AFI77336,
I89947, A08916, AB019565, AL137844, AL110225, AL049283, AL117460, A08913, AFI04032,
AL133104, I89931, A10810, A08909, AFI13691, AL050116, AFI13690, Y16645, A100937,
AF090901, AK027096, AF097996, AX019230, AFI13013, AB051158, AK000137, AL359618,
AL137533, AK02604, AFI19871, AR070212, AL080124, AFI16688, AK026480, AFI39618,
AL133075, AFI77401, AK025484, U42766, AL133606, AB052191, AK024538, AL110196,
L31396, AK026741, X84990, AK025772, AFI16602, AFI3082, AB049758, AX006092,
AFI11112, AL133093, AB048953, AF225424, AFI16631, AL050108, L31397, A93016,
AK024524, AK025209, S78214, AK025017, AFI30077, AFI13676, AL137527, AFI30104,
U72620, AR011880, AFI19883, AFI13689, AR041801, AL049430, AK026608, AL133016,
S68736, AL122093, AFI30110, AR087170, AL122050, AK026583, AR047615, AK026642,
AL359596, AL162006, AK027200, AK025383, AFI30059, U96683, AI2297, AL389982,

AX019229, AK027113, AK026086, AL137557, AFI19878, AL049464, AL050146, AF090903,
AL353940, AR038969, AFI06862, AL359941, AFI19875, AL122123, AFI30105, AL110221,
AFI30075, X63574, AL049452, AFI13677, AFI19899, Y11587, Z72491, AFI11851,
AK026855, AK026784, AR059958, AFI16639, ALI17457, AFI25949, AL133014, AFI13694,
AF090943, AL390154, AK025092, AF090900, AL442072, AFI46568, L26207, AFI13019,
E03348, AK025339, AK026045, AK025084, AF207829, AK026452, AL050393, AL133565,
AX044603, AL389978, AL137550, Y11254, AFI16610, AK025958, AJ238278, AF017152,
AFI16646, AL080137, AL390167, AK026865, AK000618, AFI16691, AF091084, AL162083,
X82434, AK026597, AFI13699, AL049382, AK026744, AK000083, AK025573, AL050277,
AL359601, AL050149, AR079032, AF090896, AF079765, U91329, S61953, AL133067,
AK000445, AK026959, AL133557, AL389939, AFI16649, ALD96744, AFI16644, AFI18064,
K6341, AFI18070, AF125948, AL162002, T47146, T47147, T55491, T82385, R31941,
R31987, R49533, R50000, R50338, R49533, R59791, R61332, R63152, R63153, R67608,
R67609, R70149, R71065, R71066, R72756, R72762, R74147, R79975, R80074, H06048,
H13384, H14128, H18345, H18382, H20129, H21602, H22265, H22302, H27177, H28153,
H28180, H30623, H30781, H41509, H38337, H43710, H43797, R85056, R85252, R85307,
R87782, R88661, R88662, R90796, R99580, R99686, H57454, H57977, H64352, H83652,
H83651, H83972, H83973, H84742, H85379, H91830, H91873, H95345, N31151, N36534,
N93096, W24747, W45194, W69739, W69920, W74101, W79639, AA01589B, AA028953,
AA028954, AA004029, AA044351, AA049510, AA079542, AA081159, AA084305, AA084209,
AA085875, AA086483, AA088728, AA100244, AA101308, AA102793, AA102792,
AA113142, AA113059, AA129041, AA129042, AA132518, AA132500, AA133977,
AA133057, AA135213, AA135216, AA135379, AA135382, AA143239, AA143297,
AA143630, AA146914, AA146591, AA147518, AA155794, AA158384, AA158491,
AA171487, AA172388, AA173749, AA182425, AA182549, AA188620, AA188739,
AA190511, AA191030, AA191180, AA192467, AA192507, AA214492, AA215305,
AA233956, AA232386, AA232356, AA426258, AA428751, AA428835, AA429060,
AA511305, AA533094, AA563580, AA565142, AA605131, AA621863, AA631913,
AA578550, AA715200, AA721093, AA809673, AA832021, AA858333, AA887395,
AA894911, AA902146, AA948656, FI9615, W27094, W28730, C06191, AA642081, C16901,
AA146643, AA213382, AA213600, AA216531, AA216539, AA291060, AA293522,
AA397960, AA398889, AA402318, AA401669, AA435872, AA435969, AA454828,
AA479724, AA545760, AA598670, AA629545, AA668645, AA669404, AA629798,
AA677159, AA723389, AA775232, AA782887, AA844144, AA833640, AA853641,
AA853904, AA853905, A016735, D25772, T15568, U274383, A176316, AI366950,
AI370253, AI346303, AI346621, AI472630, AI582929, AI583061, AI123177, AI124629,

2186

HPDQD23	695	104264 9	1-1077	15-1091	AI174585, AI187054, AI683160, AI687716, AI698463, AT99777, AI86042, AI86172, AI869250, AI811428, AI950547, AW005833, AW008960, AW028874, AW028883, AW105366, AW075520, AW149883, AW196157, AW204687, AW193629, AW293092, AW302663, AW440524, and AW473482.

BE146091, AV731652, AA522450, AI921634, AI685396, AI333397, AW970651, BF987908, BG013985, AI242047, AI750154, AI186846, AA418333, AI264351, AI274932, AI285813, AA434477, AI678027, I99365, AA216639, AA506505, AW103512, AA223178, AA179929, W02703, AA169167, T89653, AA169800, AA205463, AA206489, AA837803, AA233457, AA211589, AW854574, AA210851, BG255562, AI144451, W25656, BG236150, AA219599, T67419, AA838754, AA573603, N27177, AA872467, AA160532, N66779, AA205505, AA196784, AA227186, AI360851, AI094704, BF940575, AA227445, AA219255, AW593673, AA205926, AA223472, AI262493, F10104, AW674105, AA807651, AA223497, AI052113, AI762542, N90352, AI820789, H38219, AI949977, AT09011, AA843865, BE061531, AA213692, H23607, W05366, BE061527, AA890486, AA173762, T53321, AW129244, BE675378, AA242047, AA252138, N93216, AA424458, AI871419, AA832265, BE061578, R47880, BE061530, BE061526, AI567438, H54619, BG058115, AA42412, BE061504, AW593679, BE061575, AW967555, AA401064, H86776, BE902611, BE733329, AI821441, AI732265, AA205222, AW874361, BE536565, AW341960, AW796182, AA015818, AA936323, AW896622, AA535465, AI280212, BF736442, BF900157, AA984688, BE146078, AA017326, AA346818, AW152224, T88944, AI858539, BG260886, BE278946, AW13774, BE338701, AA319772, AI743039, AA219557, BF736726, AA528333, AW50535, BF771250, AI119575, BG167443, BE541505, L13822, AA434396, AI017153, BE028916, BE154397, BE145948, BF840889, BE154394, H87778, BF808793, AA36431, AA227040, AI863156, AW854595, W38856, U74760, AA348524, BF686523, AA250783, AW963287, AI535936, BE158521, AI821544, AA394230, AV705967, AV704542, AA44044, AT732704, AC005699, AP001695, AC04998, AP000230, AP000144, AL109967, U96004, AL358337, AP001595, K01891, AL160234, AL034345, AL109938, AP001697, AP001598, AL023877, AC007486, AC008842, AC01150, AC010180, AP001747, AC010451, AP001628, AL163213, AP212831, AL049643, AC004456, AC005771, AI801437, AC007001, AL137228, U96001, AL022068, AC007114, AC005090, AC025253, AC03091, AC005820, AC009318, AL133257, AC022424, AC005150, AF130359, U96006, AC009946, AP001729, AP001414, AC026431, AL161738, AC022308, AC005145, AL163210, AL109620, AC010267, AC007250, AL035419, AL031003, AI137072, AL360078, AL03540l, U96072, AP000013, AP000155, AC007237, AC007751, AL109762, Z97053, AC007193, AL035610, U96068, AC007870, AL050348, AC073071, AF235093, AC007390, AL009031, AL031118, AC002326, AC008269, AC012089, U96061, AC066598, AF146191, AC004025, AL157817, AC02464, AC008984, AL137062, AX035733, AC009229, AC006515, AL163246, AL109954, AF108839, AL365189, AF053936, AC023154,

| HWMBA10 | 696 | 104285 9 | 1 - 2717 | 15 - 2731 | AC007463, ALJ39377, AP000473, AC017004, AC009049, AC008072, AC008753, ALJ38758, AC007447, AC005072, AF110315, AC008651, AC008716, ALJ33462, AP001667, AC000378, AC005827, AC012380, ALO35427, AC009154, AC007617, ALO78594, AC007537, ALJ38997, AC010140, ALJ33224, AC007022, AC008719, Z83818, AC004103, AC007881, AC005102, AC004896, AC004925, AC020599, AC008120, AC010092, AB020871, ALJ21782, AC010129, AP000745, U96070, AC011510, AC007681, ALJ3636Z, AC006322, AC012077, AC007106, ALJ54804, Z92543, AC006478, AC018832, AFI7Z494, ALJ21327, ALJ09733, ALJ36171, AC011200, U96052, AC083863, AC007620, ALJ09659, AC010905, ALJ55799, ALJ21724, 299495, ALJ39277, ALJ55337, D11078, AFI7Z492, AFI7Z493, ALJ37063, AC006382, ALO24495, ALJ57792, AP001671, AC074338, AFI7Z490, AC009247, ALJ53152, AC010506, AC00134, AP000357, AC010977, AF023461, AC004915, AB020874, U96054, ALO31767, AC017109, AP000358, ALJ63533, AC000114, AC008062, AC007207, AC008813, ALO96770, AC003078, K01892, ALJ37878, AF10842, AC013737, U96065, AC005276, ALJ3515, ALO35408, ALJ3591B, ALJ45207, AL356010, ALO31256, AC013412, ALJ3590Z, ALJ58196, AP001062, U95997, AC002530, AC018664, AC06478, AP001063, AF042089, U96003, AF07838, Z83826, ALJ36230, ALJ17327, AL356696, AJ291363, AF15Z363, AC007556, AC007263, AC007027, ALO80316, ALJ53605, AC01250B, AFI7Z491, U96056, U96049, AC010168, AC004889, AC002536, ALO31671, AC009505, ALJ54696, AP001754, AF064073, AP06407A, AC022143, AC007381, ALA42166, ALJ6328A, AB041340, and AF165176. ALS23748, AU123693, AT74229, BG031655, AI086599, BF30427Z, BGI71264, AV706001, ALS23749, BG108251, AW149791, BE348515, AT749171, AW242786, AW006818, AA452980, BF529585, AA935562, AW273475, BE671205, AI660550, ALJ24832, AA452839, BE899013, AA284774, AA053718, AIZ77984, AA406537, AA677676, AW954096, AA464420, AA406538, AA496235, AIJ29769, AA284905, AA936452, ALS25442, BE264852, AA205830, AA053858, AA020811, AIZ65563, AA536060, AIJ40517, AIJ4193, AA481894, AIO78424, AIO41203, AIJ50864, W96529, AA481977, AA019913, AW131471, AA703408, AIZ76556, AW15Z129, AIO17050, AIO01027, AIJ60406, AA020812, AA021054, AA052348, AW149477, AI248566, AI400377, AA477595, BFS16273, W68469, AA936362, BE879574, AA936704, AA718994, AA019875, AA806235, F36806, H45799, AW403649, AI826304, AI150447, AA019941, AA464421, AI218960, AA018986, AA054250, BE465431, AIZ61777, AW418988, AI218966, AIR05790, AA883222, AW000750, IH41086, II37782, AI240050, IH10773, AI903707, F22534, H38276, AW069782, T41072, BFS15659, H83990, AA019902, R50029, AW19239G, W68326, F31495, AIZ44397, BGI70628, R50369, H37923, AA055112, AIZ82300, AA631296, H86397, AA013192, AI903705, AW298469, T51835, AV339481, AI76684T, BE896599, AW194148, W68142, AW183628, BFS13512, AW074174, AW003689, AIZ72194, W92479, AIB6062, AW675437, BF464220, AW139654, BE546285, W92489, AIZ81785, H23872, AIZ62178, AA383551, AA384419, AW007882, H83989, AA326943, AIA20423, |

					Accession numbers
					T2B267, AA338991, BF221948, R80952, AA533061, AT735754, H86062, H87262, AW950549, F31376, AA642603, AA653646, T40204, R50283, AL536238, C04332, H40554, T90192, AI659816, AA015696, AA464476, AW074589, AI470969, AI695746, AI550455, AA228407, BG114898, T5188l, AW291877, BG028276, R81057, AA855078, AA055111, AA013427, BE164369, AA844626, AW074589, AA412431, AA906632, AA678791, AA919166, R79754, BF766200, F36956, BF515660, AA018714, F37809, AA457286, BE870312, BF762285, AA021006, H40553, AA015659, N93986, AI272173, AW612016, AW05042, BF326297, BR055049, BF802686, BF349123, AA477466, AA018985, AA402869, BG151019, AU142132, AA015660, AA018750, AA017730, AA013408, AA454780, AA54780, AA053728, BE713148, BE764675, AA021518, BF155257, D13969, AC06449, D90085, U35311, and X89146.
HACNG39	697	104287 1	15 - 2657	1 - 2643	BE295251, BF211438, BG259285, AW605332, BF245251, BG024797, BE960649, BF001660, BE777696, AI023405, BF247618, AV757662, BE535927, AI935498, AI753474, BG168313, AA576731, AI291183, BF184164, BE645540, BF213682, AW978050, BF185485, AA651934, AI332970, AW964504, N93177, AV761496, AV740073, AA306945, BF97634, AI248059, AI969858, BE065478, AW134934, BE348809, BE670751, BE069064, AA723673, AV746184, AI701803, AI690231, AI458621, AA581555, C14765, BE081895, BF103998, AV659543, BE82616, AA314554, Z44692, BE826679, AV659457, BE065649, BF104080, AI214389, AI686437, AA210772, BE826622, BF744493, BE178557, AA211901, BE826675, AA913621, H88669, H88717, BE069286, BE826587, AA319556, BF239475, BE826727, AI949282, BF976657, AW991320, BF215566, M85859, BF744495, AW139513, BF155900, BF995407, AW952648, AI014255, AA805905, BF155925, BF086654, H62000, BF949624, Z40535, W38799, AA747536, AV733442, BF086490, BF155935, AW593250, AA805907, BE168266, BE081597, BE168139, AA806666, AW503203, H14413, AW105432, BG177087, C10951, BE890260, AK026264, AL137100, and AF161349.
HETKL27	698	104295 1	15 - 2953	1 - 2939	BE871328, BE541917, BG261034, BG036667, BG255133, BF038357, BE873193, BE180561, BE870717, BG178811, BF036564, BE180564, BF036793, BE565590, BE70823, BG254223, BE380025, AI457792, AL045790, AA046853, AA046815, AI091603, BG254687, AW170087, AA806214, BF20385, BE537632, BE379942, AW340447, AW674405, BF815085, BE018642, AW965573, AL037729, BE693303, AI660614, AI491885, BF038191, AAl73971, AA315096, BE566251, BF184007, AI608598, AA928074, AI800279, AI624127, W60935, AI910856, AA427513, AI88552S, AV275960, AI803402, AV139374, AV440556, AW780300, AA131801, AW176253, AI412267, AI018145, AI491121, BF714193, AA969373, AW130864, AA580219, AI561113, BG036684, AW748181, BE379602, BF243233, AA682266, AV612994, AI624003, AA493636, N95222, AA805412, AW007263, AI683016, BE53585E, BE766499, BF107388, AI309126, AW138522, BE564698, AI570951, AI923647, AW674984, AA772541, AI27032Z, AA451669, BF381179, AA131851, AI566235, AW630088, AW197566, AW253160.

| HPCTH04 | 699 | 104327/3 | 1-773 | 15-787 | AH433931, AI207375, I59263, AW473207, BG180137, AW070899, AI095701, AA126879, BE542577, AW005479, AI373485, AW002899, T08550, AW007314, AI619939, AI796153, BE768977, AA877591, BF007078, W21050, BE539894, AA134019, AI904879, W60870, AA173597, AI420805, H09290, AW150676, AW373410, AI358673, AI446451, AA583406, BE537295, AI804725, R1594, BF381172, AW373405, F06590, AW579264, BE073139, AW373399, H84673, AI273874, BE714252, BE693833, AI698877, AI904853, AA453210, AW593971, BE714299, BF082915, BE768962, D45469, X35529, AI299330, AV740002, N92626, AA781566, K51097, AI027365, F12752, T80473, BE180509, BE548872, AW749702, AW015950, BE693831, BF431148, BF806770, AI470263, BE180554, BE697942, AI671365, AA453868, AA583160, AA453783, T74962, R56752, AI570355, AA366854, AI201520, BI180614, BF846064, BE92B469, I93521, BF073128, Z45897, T59222, BE368290, R14640, BF084499, BF084514, BF084426, T23354, BF084593, BF08471, AA090197, BF08418, BF084606, AI783967, AA384466, BF084629, BF084455, BF990113, BE768938, BF084433, BF084589, AA338081, BF084546, BF084414, BF084550, BF084439, BF084490, BF084456, BF084473, BF084486, W38749, R12350, BF084442, AA185050, BF08417, BE768968, BF084565, BF084451, BF084489, BF084431, BF084540, H09291, BF08427, BF084591, BF084491, AI766506, BF084136, BE714341, BF36352, BF084581, BF084449, AW079725, BF084421, AW014957, BF084446, AI198729, BF084575, BF084564, R15940, BF084590, BF084479, BE768929, AA740547, BF084572, R56904, BF084651, AA860803, BF084494, AC009514, AL117612, AX014821, AW074753, AR066494, AR064707, AR06545, AR023813, AI238010, AI279014, AR060234, AX030435, AX046357, AI39923, AI276253, AI276255, AI276256, AI93916, D17247, A81671, AI069079, AI39911, AI276257, AI276254, T66566, T66567, R39996, R43568, R45622, R39996, R45622, H51475, HR5051, H93782, AA169497, AA430722, AA292157, AA860673, T24451, F04763, AI270565, AI568080, and AI824707. BE440067, AW957907, BF792137, AV710116, BE787279, AV756404, AW975886, BF980918, AW16258, BF245603, AW758665, AV755823, AV764462, AV755303, AV758135, AW238582, AV716426, AW160756, AV714958, BF970488, AV755995, BG255745, AV728886, N21225, BF795243, AW277034, AA315827, AW16I6166, AI87273, AW160671, AI199989, AI815810, AI653G21, AI878869, AV763087, BG179019, AI183438, BF245191, AU123014, BF211110, BF794865, BF130180, AI02S263, AI376154, AA890417, AA725363, AI950786, AW673042, W72065, AI186443, AI130009, AA134090, BG256170, AA025694, AI620256, AW675273, AV715102, AV731990, AA155944, AA155915, BE615464, AA854822, BF129830, AI085185, AA946632, AA52767S, AI338726, AA810660, AW07863B, AI620253, BG027655, AI150174, AA045052, AT48968, AV712551, BF078467, BE788217, BF777464, AA074312, AV717529, BG25181, AI02237S, AI039750, BF032134, AA677618, AW879657, H21222, AI93023, AI559208, N77546, AA26054, AA72033, AW957831, AA045051. |

2190

| HOCPK85 | 700 | 104335 1 | 1 - 1204 | 15 - 1218 | BE787223, AA308213, AA314279, BE568830, BE967335, AI418770, BF029602, BF666714, AW239163, AI079433, AA837912, AI700377, BF965778, AI148304, AI420465, AI052486, N67314, BG005101, BE077715, BF216988, BF218303, BE883830, AI709364, W67235, AI143103, AA316856, AA513077, BF210196, AI018658, AA653891, AI709364, W67235, AI143103, AV712877, W95058, AI147225, AA715008, N91633, AI308827, AT92014, AI302890, N62264, AI087305, AA857471, AA885997, AI051726, AA082117, BF109086, AI720928, AI301524, AI026831, N55007, BF245129, AA642116, AA034446, AI129088, AV758532, BE789387, BE788452, W48627, AI301311, AA025693, AI815514, AI885805, AA313623, AV744941, BE878343, BF246611, BF210792, W92101, D82131, AW470815, AV481766, AI720737, H40560, AA857829, R67721, AI937035, W76348, AI146721, AI927152, BF218329, BE677863, BF24741, AI82777, H19844, AW084695, BF028142, AW206886, BF217981, AA047538, AA93690, W87705, N47517, BF211297, W92230, AI459669, R83155, BE787457, AI190366, AI721220, AV762036, W69590, N99990, W05269, AV758848, AI362770, AA025561, AA600717, BF216686, AI042417, W92386, AI718830, AI079174, AA150817, AI672126, AV689850, AV744788, AA046640, AI749904, AA362180, AV713350, W95350, AI193289, AA127333, W69423, AA484700, AA665284, AI023372, T28329, AW950191, AI863983, AI364053, R70729, AA316247, AI130852, AV744366, AI340479, AI347758, BE440038, AW021344, H79948, AI877277, AI168611, BE739594, AA136761, AA758772, R63115, AA046779, H79727, BE739349, TS0704, AW207040, AI864870, W81423, AA904154, N27503, E01915, M84643, AF085844, J04026, AV004872, AF146024, AB022431, AC005874, AF134471, AF276919, AF104105, AF313911, AF146023, Z25864, E05024, E96575, X14878, X70288, X54541, AF06524I, X54539, X70286, AF084048, X54540, X70287, D28376, TS0859, T40252, T41113, R63073, R63475, R66115, R70730, H41119, H38904, R83156, H53266, H53267, H66792, H66793, H79728, H90719, N30729, N41341, N47516, N68741, N77196, W31121, W48724, W52146, W60036, W67346, W67548, W67530, W81424, W87706, W95392, AA047639, AI02583, AA129885, AA129886, AA133192, AA483909, AA541704, AA581045, AA633218, R29707, AA094104, AA094277, D19639, AI192260, AI889494, AI810659, and AW074555.

ALS22398, BE379481, AI684596, AI806645, AT40521, ALS22397, BF979808, BE676017, BF219893, AI806153, AI708422, BE385400, BG026011, BF967022, BE903619, AI459163, AI735380, BF686729, BE795411, BU792637, BE729653, BE796144, AI963624, AI765617, BF686098, BE378350, BE410801, BE387712, BE394936, BE563046, AI983340, BF790660, AW075958, BF103704, AW051428, BE387637, BE785127, BF796437, AIS89173, BP981752, AF475777, AA576788, AW339112, BE903675, AA602549, BG180099, BE390336, BE791183, BE731101, BF527875, AA887659, BF799685, BE514640, BE905330, BE866748, BG031579, BF790445, BE388199, AI762362, AI93737B, BE537734, BF210184, AI87981, BF979273, BE387838, BG180256, AW517334, AI140258, AV71705I, AW673434, AA936513, |

HTVUBM94	701	104353 2	1 - 1177	15 - 1191
			AG75414, BE513230, BG165117, AW151946, BE005897, BF513409, AW94890, AI095584, AW298180, AW994567, AI871918, AUI15489, AI377209, AA031514, AA075518, W52564, AI565078, AW189257, BE000124, BF326740, AW474563, AI92822, AI75884, AW469327, AA987674, AA908398, AI679314, AA908479, AW583104, BF821302, AA828906, W31903, W60256, W39266, BF752616, AA528246, AV77868, AI570763, BI820829, AI920871, AA970839, BG23127, AW338549, BE813072, AA997682, AI696789, BE003179, BE813073, BE814859, AI062006, AA344350, AA299556, AA910725, AA299441, AI219260, AI21665, BF748812, AW998873, BF834292, BF838850, BF089337, AA031513, AW998770, AA887197,	AA837040, AW183961, AW665354, AII22989, AW731639, AA906904, AA404279, AA613727, BE541153, AI241703, AW157415, AA166936, I95258, AI289953, BF745472, BE390716, BG251699, BE780304, BG251137, AA917089, AI206823, AI275411, BF575147, BF971455, BF197130, BG105863, AA524811, AA243703, AW661954, AA406265, AV653976, AI283440, BE268625, AA16748, AA043348, AI338555, AA977042, AI240300, BG120839, AA713531, BE394775, AI460082, AA16456, BE261524, AI221435, BE299375, AA831282, AI389291, AA883191, AA922475, AW628401, AA994927, AA905986, AW628396, BE272057, AA861569, AA847641, AI339672, AI363391, BE893722, AI199546, AI015132, AA448184, AI891117, BF969194, AI343921, AI289047, AT08674, BF971308, AI356442, AI168636, AW044276, AI858659, AI374603, AA947892, AI097345, AI275038, AA788878, BE407602, W93635, AA828417, AA625124, AA772693, AI460047, AW162216, AA829967, AA581376, AI741407, AA862585, AA909132, AI366750, AA805692, AI800799, BF790619, AI303663, AA622180, AA594488, BE897060, AA411294, AI040659, AA411487, AI086497, BE394882, AW731618, AA682610, AA426300, W93673, AA503751, BF797856, AA035338, AW662005, AA709352, AA253373, AA128126, BF218373, AA535684, AA769244, AA809270, N77880, AI635864, BG030168, AI277130, AA436339, BF700322, AI690358, AA410426, AA922270, AI752729, AA135461, F28732, AA233263, BF732205, AA884037, AI679447, AA426301, BE410960, BE041579, AW040639, AI474297, AI537314, BE892365, BF979158, AI521738, AW270437, AA401287, H79106, D51255, T99958, AA476810, BE792793, AA883067, E58299, F24324, AI187796, AW025454, BF341948, AI202816, BE265593, AA161091, R50825, F24852, AI183576, AA325404, AW149479, AI572829, BF688645, AA165643, AA076134, R18070, BE795423, F36722, BF790669, H78320, BF792767, AA844456, AA348907, AA341466, BE567621, AA233272, AC007786, L32977, Z82206, S58789, M34336, M24542, AK000225, AC018663, L32917, T69809, T70795, R00305, R00712, R00713, H78319, H79107, H93686, N36119, N44125, N70360, W79292, AA125817, AA135167, AI157975, AA158808, AI159760, AAI71733, AA171970, AA22779, AA429929, AA605247, AA829016, AA834904, AA835867, AA876617, N89414, AA094326, AA094511, AA216717, AA406405, D11847, F22315, AI284780, AI242469, AII86410, AW081491, AW271537, and AW302275.

2192

AI888609, AA037044, AI923529, AI888421, T27673, AA033870, AA034355, AI537808,
AW297694, AA029323, AA173929, BE814844, T27577, BF748459, AA335005, BF734289,
AI869462, BF838841, AW998777, AW998879, AW752040, AI933599, BF081442, R36271,
BG179993, AW167918, BG033723, BG111673, AL036638, AW079572, AW98382,
BE047832, AI802542, AI613038, BG058150, AL079963, AW983783, AI610362, AI288285,
AW983754, AW163823, AI697324, AI537677, BG180996, BF527014, AW162194, BG031539,
AW983829, BE965307, BF526020, BG122481, AW161156, AI564290, AL514799, AV647773,
AI923638, AH499285, BG108960, AL514879, BG105895, AI282930, AI554821, AI687295,
AW161579, AV648430, AV757455, BE964614, AL079960, AV682345, AA641818, AI382670,
AVT22452, AI890223, BE047833, AV681881, AV721135, AV682249, AI570807, AL036901,
BG168054, BF727034, BE620202, AA833760, AL037454, BG110517, AI468872, BF812960,
BF525524, AI340603, AL513907, BG260817, BF792961, AI539800, AW148356, AI470651,
AI863382, AI564259, F27788, AI588892, AW022682, AI683395, BF856052, AI80224O,
BE789764, BE729660, BG036784, AL042191, AI698391, AL120700, AI538850, AI568138,
AR84318, BG251104, AW020561, Z99428, AL515235, BG179642, AI690748, AI868740,
BG257535, AI097643, BG260881, AW999049, BF816811, BF970449, AI798456, BE965432,
AV682224, BE965621, BF970162, AW983691, AI686576, BF911521, AW083750, AA640779,
AA572872, AW198112, BG029457, AW827206, AV729259, AW163554, AI538764,
BG259944, AI862135, AL134259, AL514473, AW162071, AI345735, BE968711, AI559752,
AI241923, BE778453, AL119863, AI923989, AW169604, AV716613, BE879967, AI862144,
AW051088, AW103628, ZI1887, X07819, I91443, AB031324, AB031323, L24374, L22524,
L22520, X63162, L22523, L22519, L22251, L22522, X07821, AL050116, AF119909,
AL122098, AL359601, AL389939, AF119894, AK000414, I89947, AK026927, AF057300,
AF057299, AK027096, AA040974, AL137271, AB047878, AF056191, AF116688, AL122050,
AF155221, AL133067, AL049283, AL133014, Y11254, AL137459, AL359618, AL389935,
I03321, AB007812, AF119883, AL133081, AF130082, AL157482, AF116631, AK025465,
AL049382, X80340, A08916, AF039138, AF039137, AF175983, AK000614, A08913, Y16645,
AK026885, AB047904, AK025092, AL137533, AF106657, AL137527, AL112123, AF116639,
X62580, AF113699, AK027144, AR038969, AF100931, AK025967, AK026528, A77033,
A77035, AI299431, AF152205, AF113222, AK026592, AK027164, AK025435, S78214,
AF208026, AL133113, AL110222, AF067790, AK024538, I48979, AL137557, AB052191,
I48978, I33392, AF314091, AF119899, AL110196, AF119865, AL133640, AF061573,
AL137488, E02221, AF116682, AL133606, AK026506, AK025708, AL353940, AX019230,
AL049300, AK025339, AI17457, A08912, AF139986, AF061943, X53587, AR011880,
AL122110, AL110221, AF119875, AB048964, AK024460, AL359583, AL117460, AK026630,
AL353956, AK026591, I68732, S61953, AF116691, A65341, AK026353, AL133080,
AF116610, AF143723, Z82022, AK025209, X84990, Y09972, AI262032, AF260566,

| IVVBC43 | 702 | 104355 3 | 1-2938 | 15-2952 | AL117435, I00734, AX019229, A08910, U49908, AF090934, I89931, A08909, E05822, AK026480, AK000137, AL137550, AB048974, AF990903, E00617, E00717, E00778, AFI13013, AL38998Z, ALI37521, ALI33560, AF230496, D83032, AB019565, AF130104, AR038854, ALI33093, D02349, AK026959, AFI11851, AK026762, and AI866232.

AU130242, AU129999, BE275366, AU141996, AU130671, AU124936, AU131860, AU124408, AU130616, BE794591, AU132634, BE886966, AU142773, AU143058, AU131940, AU130500, BE894047, BF792145, AU130422, AU129764, BE869866, BE260035, BF968633, BR034746, AW574699, AI660687, BE777892, AU131830, BE876494, AU132441, BE408497, AAS82930, N31917, BG165262, BF542087, BES42062, AU127284, BG026988, BE882726, BE294863, AU127887, BG165609, AU129360, AU127616, D44737, AU127681, BF816410, BG105746, AI755150, BE049267, BG106449, AU151026, AU129215, BE972348, AU154131, BF093315, AA921821, AW874087, W73129, AW962589, AA584426, BE779393, AU152380, AA625864, AW130487, AU128793, AU152533, BE614473, AW67569, AU152582, AU153498, AU152234, AI271652, AU152425, AI56494, BF383044, BF525753, BE897930, AI673802, AU150181, BE396218, AU151380, AU152054, AU155524, AU153962, BE783995, AA99916, BE613867, AU160214, W72959, AI291680, AU151839, AW847871, AU159404, AI334958, AA633073, AU150147, AI571272, AI609813, AW062342, AI587276, AU155591, AA599609, N20255, AI095377, AA598634, D44706, AI281894, AA595048, BE247530, BF447181, AA868315, K51176, AU155998, BEI40632, AW845056, AI858431, AW337440, AA97582, H25615, AW129362, AW51961, N33461, AA076122, AW403237, AW673297, BE396194, T03846, AI242507, N49412, AW243720, BEI4099, T80947, BF941190, AA935847, H24389, AW204045, AW515528, AA92820, AA027101, BF833996, M78797, AA776266, BF928855, AW087795, BE677916, AI659830, AU149919, BF732229, R99137, M85359, BF219027, AW057795, AA774404, H61385, AA77623B, AI375971, AI264460, H11165, AA665529, BF993722, T03848, AA653597, H58329, R54367, R54368, AW393906, R93193, BE931996, AI520701, R11108, AII39930, AW80683, Z46202, AW960292, F05574, Z41826, H25208, BE536265, H48437, AA076225, BE245969, AI244509, AW393905, BG056878, AA775438, AA928889, AI044756, AA776341, AI902676, AI283641, AW769688, AV751484, N29153, AI002774, AA358914, AA303417, AW806733, AW393882, H17943, N62525, R51059, R01677, AI536689, H11077, T03850, AA368289, AA449395, R93289, AI300648, H25569, BF241826, R02617, N42702, AA356956, BG001482, AA319797, H12252, AW372207, AI58902, D44752, AI909855, AW205117, AI174491, HI7158, AW078514, H58718, AI368605, F01841, AA094440, AU125424, AA369119, D82686, AA599570, AA32593, AW958020, N56450, Z45626, AA249356, N4951S, T35118, AA304923, BF676621, BF982665, BF820825, AW189778, BF095814, AU14908, U95140, Z68321, AB000468, AFI69300, AF022081, U95141, Z68284, AL035633, Z68322, N79423, AA485207, and AH40069. |

| HTPDM31 | 703 | 104419 9 | 1-1342 | 15-1356 | AA523881, BF902063, AI683694, AA524036, AI688317, AW612950, AW075896, BE620592, AR858933, AI394309, BE620052, AW205191, BF197492, AH34019, AW151530, AA128407, AW973472, AI582008, AW571727, LAI371369, BE794101, BE798086, AW512224, AI674185, AI683559, AA291456, AI636139, BE043958, AA554717, BI910647, BE263650, BF800761, AI918634, BR849476, BF055737, AI86602, AW162071, AI568549, BI970449, BE964497, BF883916, BF344652, AI308032, BE544111, AI344788, BF341801, AI344933, AI344928, BG168696, BF750885, AI611348, BG260037, BG026746, AI494201, AW022682, BF904180, BG251478, BF827575, AI561299, AI866002, BF004265, BF910810, BG965355, BE963035, BF816455, AW268220, N80094, BE963918, BE964512, AI636719, BF885675, BF814335, BE910703, AV681668, BE048071, AL036638, AI439762, AI335411, AW403717, AA640779, AA508692, AV729336, AW102785, AW105893, AI572892, BF970768, BE045182, BE965067, BG168185, BE964812, AI498579, BF032368, BG112879, AW827289, AI810332, BF339322, BF725863, AI120653, AW238730, AI919345, BF814525, AW082040, AA613907, AI537677, BE047952, BG030364, AW152469, BE964767, AI539028, AI036403, BE965432, BF752252, BF038804, AW834325, BE965192, BF904244, AI613017, BF726297, AI537273, AA427700, AL047763, BF343363, AI283826, BE966699, BE885353, BG113385, AI572418, BF817926, BG109847, BG110684, AV746964, BE966388, BF910849, AI433976, AI696626, BF909758, AV760102, AI612729, AL046944, BG165051, AL041573, AL045266, BF343172, AI567351, AV726951, AI699011, AW191134, AV686346, BE048081, BF089679, BG031664, AL120854, AI824576, BF968205, BF527014, AI608676, BG112718, BF854113, BF971016, BG109270, AI950664, AI623682, BE897632, AI250663, BE621256, AW059837, AI874166, BE375407, AW827206, AI567560, AL036274, BG029829, BF753032, AI366549, AV757639, BG113299, AW163823, AL039086, BE061389, BF781369, BF342070, BE613727, AV729649, BF791874, BG026428, AW301409, AL514155, BE010816, BG250190, AW10371, AV713988, BL14999, AW268122, AI697324, BG024332, AI364788, AW074869, AW071417, AV743962, AI571909, AI524526, AI922901, BG03723, AW262565, BG249582, BF526020, AW269097, BF344031, BG122481, AW150578, BG036846, BG032919, AI679916, BE047852, AI800453, BE965150, AI800433, AI783861, AI252023, BE62044, BG120816, AI63419, BF904258, BG180996, BF885081, AI627880, AI689420, AW149227, AL11979I, AI828731, AI349004, AI497733, AW099049, BE904051, AW806761, BG257535, AW169653, AI310575, BE011885, AI560099, AI866741, AI336495, AI929108, AW302965, BG110517, BF812933, BE874716, AI340533, BF038131, BF339594, AI113019, U00763, AF061943, AF116602, AF219137, AK024538, AO8916, I89947, I48978, AI133568, AF113676, AI139978, AB052200, AX019230, AK000647, AX005848, AX005804, AR011880, AK027164, AK026642, AL133093, AI080060, AL110280, AR070212, AF158248, AX019229, I89931, A08913, AF116644, I48979, A08910, AR087170, U67958, A08909, AL049314, AK025491, AK027113, AK026855, AV090900, AK006618, AL049430, AL137283, AF097996, AX046603, AL162006, |

Name					GenBank Accession Numbers
HSQEK12	704	10457 7	1 - 1601	15 - 1615	AJ238278, AK026534, AL117435, AF183393, AL050024, AL122050, Z82022, AFI30100, AL117583, AFI11847, AFI77401, X93495, AF119883, AFI16631, AL390167, A03736, E03348, AB041801, AK026583, AL133640, AFI11851, AFI16639, AK027213, AL133075, AK000718, AF146568, AL122093, AL050092, AX010492, X63574, AL049452, AF119875, AL133557, AL359601, AL137463, AL133113, AL13297, AL133565, S68736, AL162068, AL049283, I33392, AK000486, AF113013, U80742, AB019865, AK024524, AF113694, AL040464, AK025084, AF130075, AF116649, AB051158, AF130099, AF116688, AB048953, AL110196, AL050172, AF207829, AF026124, AL359615, AL080124, L26207, AL137527, AK026865, AR083266, AK024588, AF090943, AK025906, S78214, AK026784, U35846, X84990, AK026532, AL137521, AL122121, AK026408, AF078844, X96540, AF113690, AF113689, AK027906, AL049938, Y11587, AK026045, AF130092, AK027204, AR059958, AL137538, AL133016, AF130077, AF130082, AB049758, AL050146, AK025484, AL442082, X65873, AF271350, AF104032, AL133104, A93016, X72389, AK026006, AF118064, AB048964, AF118070, AK000432, AF218014, AK000137, AL049382, AL359596, AK025414, AL050277, AL117585, AL117457, AR079032, AF125949, AX006092, AL050108, AL157431, AL133014, U72620, AL122123, AF090934, AL137560, AF113691, E07108, AK025234, AF125948, AF079765, AL052191, AK000391, X82434, X98834, AK026542, AF118989, AK026597, AB047615, AK026959, AL359583, AK025209, AK025092, AK025798, AF017152, AL050149, AX027129, AF111112, AL133072, AJ012755, AK000652, AF091084, I03321, AL162083, AF130066, AK026592, AK026526, Y16645, AF118094, AL137557, AK025967, AF119878, AF113699, AK027116, AK025958, AJ242859, AK026630, AK025632, AF130059, U96683, AL050116, AK026927, AK025772, AK026593, AF155148, AF090896, AL050393, U42766, AF314091, AF116691, AF017437, AF113677, AK026528, AK026480, Y11254, AL080159, AF119871, AB048954, AF116654, AL117460, AL122098, AF175983, AF116646, AL080137, AF055191, AF106862, AB034701, AX026824, AX026823, A58524, A58523, AF119894, AL122049, AK026629, and I09360.
					AV728991, BG036781, BE880112, AI651441, BE745280, AA290662, AI377906, AI359678, BG116384, AA131046, BF684270, AI350698, AV733412, AI028758, AA427498, AV183495, AA912192, AI830153, BG111354, AI992057, AA218927, AA430659, AA410335, AA610570, AA627352, H05065, T99443, BF002142, BF224112, T99189, BE671420, AI4695, H00136, BE463643, AW135468, AA410296, AA130965, AA553723, T79798, T28097, AI214583, H85006, BE710453, T81103, AI650387, AI867239, R42417, T84697, BE706115, AI217867, T49444, T79163, D28588, and M97190.
HPDRZ16	705	10461 8	1 - 978	15 - 992	BE727770, BF974728, BE61601, BF798502, BE616088, BE313262, BE727926, BE206976, BE409735, BI385235, BE389159, BE393783, BF312072, BE313666, BE896298, BF316585, BE277120, BF793704, BF686570, BE616244, BE385956, BE383548, BE294388, BE901124, BG180846, BF036765, AI828083, AA496422, BE393805, BE294255, BG036931, BE615063,

					Accession numbers
HYCBC344	706	104635	1-1177	15-1191	AW160667, BE395238, BE326972, BE858433, AW163357, BF063671, AW003586, AV340331, AL047496, AW005238, BE551992, AW163275, AI953511, AI763343, BF527497, AI762799, AI361240, AI656565, AI480052, AI458448, AW025474, AW117928, AI653370, AW026498, AI424823, AI128126, AW204096, AI803979, AI760473, AL047047, AI744643, AI652905, AI660575, AW014107, AI741729, AI261897, AI740619, AI419318, AI742293, BF432422, AI589563, AI439131, AI589648, AI819820, AI091326, AW026841, AI359934, AW204205, AI264264, AW024642, AI949610, AI560440, AI198373, AI423960, AI362855, AI250912, AI073530, AI285325, AW051310, AI016047, AW073872, BE279031, AI087387, AW275965, AI984692, AA490594, AI199079, AI264612, AI739092, AA505680, BE857545, AI142069, AA767899, AV706389, AI284341, AI911464, AI140798, AI279964, AI968705, AA433889, AA613443, AI362846, AA437102, AI886835, AI452963, AW016008, AI189614, AA587344, AI478963, AI523562, AI421930, BF151459, AW015173, AA149088, AI672281, AA676847, AI290629, AI934551, N32707, AI264259, AW026672, AW137586, BF589017, BF001168, AI26343, AI749717, W03609, AI673182, AW406201, W69094, AW089239, N67764, AI472898, AW589909, W15203, AW193612, AI039057, N75095, AA262739, AI401704, BF569296, W74698, AA481624, AW183852, AA723039, AI381411, AI074795, AA748147, AW044046, AA768224, AA594323, AA419041, BF987531, AA434567, N24751, R71740, AW058489, W69127, AA582486, AA431867, AW437072, AI365044, H87423, AA903750, AA865690, AA742365, AA811867, BE550611, W74736, H79224, AI657003, AI804660, AA035176, BF317063, AI434830, H73502, N53325, R25554, AI423878, BE503702, AW040267, BI99516, N93879, AI085987, AI565443, BE909632, R49789, N44511, BF436261, AA836579, AA149089, AA490789, AI085986, AA431866, AA628759, AA423795, AA805188, R71735, AW003589, AI086418, H99515, AA035175, AA613653, AA464357, AA330415, AI803981, AA481558, AI476776, AA358704, AA972245, AI418853, AA782893, AA430724, AA490725, AA026984, AA903090, AA491216, AA894756, BE738138, AA780359, AA292696, AL109965, AF204271, AF207829, AF250501, AF106473, AA563795, and AA482612. AI519186, AW419048, AA100804, AA121287, AI911097, AA502311, AI075431, AI128651, BF083756, AW089948, AW112123, AA100952, BE466029, AW083432, AA488316, AI990554, F28643, AU15613, AA741512, AA731388, AA731382, AA207032, W79581, AA731381, BF059144, BF059729, AI655521, AI655502, AI808218, W79780, AI970106, AA251012, F37179, AA262868, AW439007, AW589846, AW439035, AA730238, AI640142, AA329792, BE799812, BF813785, BE868398, AI559734, AW087255, BE791631, AW750380, AV704162, AA252138, AA242847, AV704313, AV226667, AK024070, AK023549, AK025654, U49385, AC004087, and AF086422.
HPIAC22	707	104711	1-2036	15-2050	AI924197, BG259817, BE268308, BE270476, BE042939, AI571743, AI467993, BE514280, AV705060, AI422722, BE397774, BF523749, BE269234, AI885549, AA001424, AH417323.

Clone	ID	No.	Range	Accessions
HSODA53	708	1044741	1 - 1993	AW118869, BF513373, AW016939, AI809555, AW298455, AA010080, AAO47181, AI669423, AA019642, AA452913, AI951143, AA019812, AI147059, AA015780, AF684837, AI200279, AA047817, AI028691, AI221342, AA013177, AR04644, BF109069, AA018716, AA017459, AI934630, AA015983, AI401304, AA018971, AA017562, AA157438, BG011200, AA021621, AA019376, AA021379, AA056255, AA453081, AP90012, H38930, N37591, AA021051, H40627, AV694312, R46277, AI809842, AA012872, H40674, W95949, BE266168, AW779248, AA016033, T03295, AA013143, AA968612, BE009638, AA015968, R71551, H85532, H86280, R50258, AA054231, AI83509, AA19621, H86057, H86332, AA037712, AA971907, H86597, W19447, AA021311, BEI42666, AA012904, AA059026, T06751, AW366897, AA864534, AA019359, AI904546, R71497, AA013488, AA016023, N27369, AW956220, H37928, AA019946, AI245102, AA972948, AI004979, BE562840, AA046456, AI247896, AW576981, R75792, H37783, AA019360, R46193, AA021572, AA020806, AA057015, and AA07927.
			15 - 2007	AA488860, AW118663, BF679533, AU157678, AW68930, AA488937, AW502897, BF949789, H91281, AU138611, AI174822, BG251769, AI911406, AA319438, H13953, AV723659, AV723812, BF379751, BE781989, AI38991, AA724029, BF680401, AK024359, AC005495, and AF119885.
HE9ML74	709	1044760	15 - 2123	BP973550, AV703947, BE735983, AI141536, BE177941, BF111296, AW960419, BF593246, AA716179, BE538079, BE672999, BE889473, AI638212, AI769556, AW972475, AI963758, AI761109, AW576535, N24244, BE502221, N49976, AI890512, AW507778, BF686370, BF061544, AA888851, AV727854, AI204229, AI492301, BF965554, AI399665, BE464401, BF906460, BG150554, AI684997, AA397545, AV452929, W58540, BF724940, AI308244, BE848924, BP957204, AW994200, AW167166, AI032858, BE541283, AI990115, AI191763, AV719539, BE813538, AI687674, AI356174, AW237523, AW237513, W0591, AA825680, AI628442, AW051464, AI955375, AA446754, BF934288, N45103, AI768999, AI623958, AW604370, AA844351, AW07258I, AA877508, BF964485, BF326688, AW967467, AW272007, AI434348, AV649740, AI991466, BE813583, BF326690, AI367528, AI419248, AA757020, BE813608, AV649840, AI769025, AA112651, AA441882, AI990676, AW937758, AW885989, N31202, H12678, AI457681, BE176156, BE843670, AV709716, R53677, W58506, AA923689, BE086457, AA113334, BF438757, AI632857, N28982, AI917528, BE176253, AI357469, AA432070, BE176150, AI241039, BF091010, AA730921, AV691901, AI969586, AI391527, BE176080, BE176039, BF893922, AA630054, AA761119, H75496, R23846, AI584086, AW194837, H05294, BE813411, H05344, AA732634, AA305435, AA353992, AD244139, AA385220, AA513775, BF858939, AW999931, AI193911, R63556, AA844045, D62444, AA251162, AA334217, AA441821, H68149, AA399063, BE001143, N74346, R12763, AW198016, BD001204, AI867622, BF963511, BE088366, R39795, AA251128, AW409654, BE088700, BF822863, NT2430, BF339136, AH74839, AI499564, BEI72967,
			1 - 2109	

HPDRB76	710	104476 2	1 - 3729	C00849, AW798975, D99370, K55365, BE176215, BF310902, R63511, N52755, BE176152, BG012729, AA860014, BF326699, AI026093, AI829446, AA513776, AI453716, ALI10222, AK024847, AB032957, and ALI21999.
			15 - 3743	AB005622, ALI19058, ALS13611, ALS19059, ALS29375, ALS23483, ALS25289, ALS23974, ALS26549, AB005621, BE274852, BF982898, AUI25970, BE622992, BF796408, ALS13612, BG106187, BG034879, ALS26367, AUI28506, BE897919, AUI33789, AW968284, BF965878, AW407718, BE275712, BF791733, BE617862, BE789855, BG178771, BG258108, BE408699, BE896160, BF686705, W05712, BF309732, AUI92372, BF694788, BG028726, AV688212, AV691606, BG033618, BE540959, BF679745, AI762781, BE617404, BF037845, BE885892, AI361029, W95848, AI089780, BF036880, BE785363, BF241381, BE301944, BF984223, AW192519, AI082053, BF195946, AW327951, AI083326, W03312, BE296841, AI217910, BE208446, AI423184, AW170457, BF944889, AI082059, AA315835, AA623941, BG120646, AI744437, AV653540, N39056, AI653453, W94951, AUI50788, AI057594, BF782892, N36102, BF21911, BF432772, AW001561, N48248, W60626, AA789238, AI472150, AI183431, AI268418, BG106759, AI91393, AI625729, AV735137, W60627, BE909357, BE895991, AUI54985, AI150225, AA029868, AW072811, BG050191, N73085, N31137, AI625935, BE468023, AI367260, BG178198, AIF58701, BF211840, AI691042, AI968738, AW956647, BE785015, AA706232, AA873148, AA281272, W56310, AA831365, AW241427, N69937, AW241485, AA429410, AI436052, AA689532, AA774576, AW013970, N41726, AI129695, AA954718, AA429457, AI612726, AI337986, AI672852, AI188847, AI041266, AI024764, W42834, AW304081, AA857427, W76138, W23563, AA126802, AA529087, AW965470, W54069, W05439, AI813834, W96133, BE858752, N98402, AA507981, AA745068, AA037072, AA121379, AW731880, AI018474, BF435085, W56456, BE694795, AA036958, AA598936, BF432261, H09730, AI018407, AA962630, AA773937, W56426, AW440750, AA043877, N39058, AA406074, AW058561, BF149112, AA824556, N44108, AUI19157, N21122, BG057814, H10488, AW440768, AW96049, AI598269, AA112260, AA719556, AA781363, BF209642, AA315392, H20077, W60534, W56311, W60556, BE206569, AA877673, AL121231, W31664, AI949712, R81197, AW243211, AA628877, R87173, AW589397, AA602997, AI658880, AA825924, W56353, AA494332, H87565, AA629343, AI659961, AW167307, BE542553, AI39381, AW192520, H09696, AW193684, W96132, BF844933, BF239292, H93440, BG031200, N98614, H66652, H81871, AW883387, BF037979, W24238, AT37464, AW84472, AA962473, AV09581, AA996224, AA825584, AI826389, AI920920, AI269305, AW80050, R53826, AA205450, AUI59792, BF382871, AA59940, R48985, AV684456, BE833359, H01702, AA689475, H96126, AI199477, AA514855, AK023758, U54645, M16225, AF056332, D90280, AL035411, AL020095, U39945, U34371, AB020202, M16224, D90069, D13061, AL133249, AL121652, D90067, AF076633, E04317, AU12288, AF055917, AF003777, T39695, T70955, T79340, T94018.

HSYDE55	711	1044769	15 - 1590	1 - 1576	R09920, T8S237, T86052, R17646, R53874, R72157, R81306, H26355, H44167, H66653, H93441, H95634, N50245, N62579, N73073, N75034, N75419, N80353, W02296, W05140, W19510, W25696, W60549, N89916, AA031971, AA102228, AA113091, AA112157, AA121380, AA121557, AA129078, AA129079, AA143659, AA148447, AA149578, AA190422, AA223643, AA640565, AA731854, AA766500, AA769117, AA824560, AA864804, AA886291, AA888506, AA948257, C00923, AA032063, AA668650, AI089350, AI122865, TI1240, DI9822, F00761, DI1769, AA702043, AI245365, AI273004, AI206474, AI572800, AI654676, AI800348, AI866205, AW004761, AI985582, AW016139, AW194321, and AW611522. AUI38917, BF205289, BE397937, AL531689, BG169850, BF975130, BE220494, AUI38732, BE540278, AW954061, AW956739, AI796023, BE205643, BGI71279, BF857500, AA164517, BGI71303, AI699703, AI268056, BGI66578, BB813909, AI265884, AV713795, BF447802, BI39089, AI458243, AW136662, AH72338, AA440050, BE500953, AI858271, AW51531, BE046481, BE503455, BF591012, BF195935, AH76281, BF222795, AI694704, AI445711, BF115624, AI610309, AI927962, BGI66246, AW339786, AA971085, AA708922, BE503272, AH21319, AA465255, AUI56932, N49590, N67740, BF091626, AI91405I, AI274909, AI190112, D20733, AW188089, BE789377, AI858737, AUI5726, BE275478, BG256465, BE813963, BE220862, AA857052, BB936270, AI217103, AW79725, N49070, AA383123, BE551639, W86964, H60699, BF573578, AI040234, AI762085, R51650, BF432031, N31773, AW273437, BF091557, BGI78271, BE05174, AA769783, AA812984, AA383124, AA661899, BE242063, BE241787, R93782, AW30471I, N56201, AW139929, T66062, T64969, AW61568, AW465147, AI341196, AW594520, AW664816, AA465147, BE972735, BE548258, F98958, AI308213, AI364564, AA984765, T57763, AI769568, AW612305, BF748531, AA609698, AA827085, AI633355, AII90529, AI364456, AM420514, AW301000, F37231, F24191, BE207700, BF439061, AV682063, AI569188, AI784377, T25055, AW996032, AW407523, AA279845, AW991326, AI699592, BF904839, AA812498, BF109474, BF222718, AA535238, BE814080, AK001954, AF151819, AF257318, AF263364, AF263293, AI049597, and AB007960.
HOGC131	712	1044821	15 - 931	1 - 917	BF973454, BE77445, AL531039, BGI15169, AW969042, AW206059, AA700020, BF968627, BGI14062, BF432198, AW957238, BE537060, AI672358, BE326492, AA916774, BE003525, BF980402, BE003532, BF684794, AUI51013, BE003523, AA699619, AA827289, AI024492, BE043951, BE206364, AUI52265, AUI58148, AI032726, AI208858, BF973606, AI375573, AA722543, AA287974, AW510399, AA693821, AA770210, AI240892, AI824282, AI684175, AW367905, AA426229, AA525966, AI09580, AI334247, AA262040, AI032993, AA291268, N59203, BE328503, AW383419, AA291239, AA504437, BE064374, AW273123, AA767810, BF350525, AA62683I, AI18629, W45184, AA93418, BE446620, B6I802, AI524794, AI797031, AI796476, BE747743, AW779035, W42659, AA782458, BE741947, AA203299.

IINOX86	713	10489 3	1 - 1022	15 - 1036	BF970013, BE783656, BE971148, BG105075, AV510702, BE896959, AW188107, AW006794, AI983025, BE910195, BE782150, BE906341, AI015619, AI301966, BF727414, BE85813, BE880216, AW168796, AW051452, BE890490, BG054826, BG178384, BF679757, AI125994, AI360252, BE879146, AW149790, AW071976, AV702313, AI583243, BE785316, BE881479, BE074234, AI924167, BF699289, W95089, BR670105, BF674585, AA846833, AI912804, AI805679, AA769460, BG100223, AI955820, AA918990, BE973606, AA702505, BE547758, BF184398, W95090, AA99538, AI581725, AV75940, AV707627, AI128802, AI025955, AA702099, AA527383, BF196614, BEI22666, AI418108, BE048049, AV747543, N42404, N33447, N42420, AI308924, N31382, AW014670, AI857970, AA29374, AI71897, AA94391, AI300946, AI369901, N24088, AI075836, AI056727, BF340421, AI014666, N35120, N24587, N33735, AI446529, BF743351, AI536552, W38924, AA886635, AW182324, AW60926, AA147675, AI797755, AW075663, AA719417, AI720299, AV742727, N23506, AI335652, N71994, AW627640, BF115412, AW086197, AI360960, BG251694, AA507155, N94922, AA85121, AA701511, AI346138, AI262338, H99753, R74310, AA953666, N29163, N58294, AA713692, W04143, N54557, AA39852I, AA648593, W79708, H50571, AI282475, N24140, AA953525, AA782200, AA782844, R23867, AW877810, F37061, W57541, AA157599, W81380, T31783, AA946607, AW952439, AA958014, BE764972, AI300210, N70117, H40663, H45202, AA627360, H50365, TI9230, H40733, AI026634, AI620903, AA063083, R67980, BE693583, H97133, AI243093, H50336, N42319, H70236, AA576208, H42168, N33428, N66148, R33701, AI000953, R74212, T35747, N33907, T62950, AI262339, R67981, N98671, AA701513, N28470, AI541287, T62802, AI277219, N76637, T31262, R22630, BF817665, AI955533, R39387, N29483, AA931753, R22631, BF572160, R33596, T7877, F30122, R28433, AW583802, H70237, AW382331, H45185, BE714145, F31733, R38311, AI872684, R25406, BF964201, AA328918, BE811585, AA542918, AA512926, BG178689, BE811484, BG115626, AA83433, AI090035, Z42779, AA063133, H41269, AA709283, BE811590, H13228, AW297741, BE701599, N99376, AA912616, AI468912, AA181716, AW750247, H59925, BF214441, AI221915, AU142828, AW382456, BE170265, AV753284, AV739258, AV737288, AV743484, AV753722, AV738516, AV701224, AV741385, AV701471, AV738340, AV740375, AV701422, AV738631, AV742732, AV701384, AV739963, AV735357, AV742047, AV742725, AV701030, AV701123, AV701130, AF092138, AC006254, X95834, AX030944, and AI498102.	H18939, H50988, AI701099, AV754863, AW021687, AA769274, AA480957, AA235431, BF884832, AA524731, AA746717, AA765847, BE242449, BE064375, BE396232, AA730421, AA370678, AA327714, BE898594, AW957236, H51642, AI215039, AI500031, AI613496, AA259009, BE064373, BE844252, AA908871, AA362131, AW780116, AA659009, BE931789, AA664580, AA504201, AA778342, BF593055, AI888704, BF976618, AW673901, BF758920, AV717910, AW383401, H67581, AI110271, AK023702, and AK025390.

HTPHG81	714	104511 7	15 - 2114	1 - 2100	AU124431, BE700940, BE700869, BE700936, AW960045, BE061069, BE908235, BF870875, BE772035, BE700861, BE772040, AI903097, BE700876, BE840628, AI700395, BE700938, BE700862, BE700873, BE700945, BE772042, BE700937, AW390483, BF525944, BE842730, BF842726, AW582015, BE772099, BE700941, AW514159, BE700904, BE772053, BE772066, BE772082, AI781090, BE772081, BE818958, BE818958, AA305705, BE772059, AW110237, AW965129, BE772019, AW581975, BE840457, BE830929, BE772101, BE818964, AW339256, BE840434, AW120559, AI079309, BE772020, AI140441, BE700851, BF849721, H70004, BF359589, BE832289, BE700898, AI905362, AI022857, BF091071, BE927455, R11344, AW517983, BG012510, AI903834, AI401014, AI379419, BE842723, AH34349, AW673336, BE818962, AA719006, BF439588, C15468, AA703354, BG010792, N50989, BE772047, BE772018, AA574083, BE836162, H69547, BE772074, BE818915, BE170135, BE840445, BE772086, R09631, BE772015, AI251845, BE772087, BG011742, AD245536, I63151, AI983670, I63006, R06603, AA89063, BE772017, BF110884, BE830923, AA565124, AW868068, BE830919, AW752129, AW868069, AW674579, BE818892, AA731490, BE818951, R14845, AA344670, R07438, BF738252, AK027078, AL117402, AB007936, and AK001249.
HPCTV49	715	104537 9	15 - 590	1 - 576	BG105380, BF969874, BF791362, BE294238, AI708983, BE562951, AA639261, BE905959, BE205851, AI817372, AV735170, BE797554, BF245538, BF983670, BF679415, BF239185, AI277914, AW951784, AV744259, BF972333, BE378677, AA196003, AA158111, BG112886, AI199301, BE336876, AV726412, BE539723, AA211640, BF211561, AW884452, AI114687, BF718736, AA614365, AI199303, AA196119, AA669012, AA211585, AA961699, AI191452, BE382522, BE564019, AI369878, AW024336, AI088810, BF210300, AA928043, AI186091, BE395743, BE866704, AII99158, AI803530, BE395559, AV735419, BE206116, AI356575, AI083939, BE881084, AA548552, AI476158, D56069, AA669359, AA724190, AI847760, AA872509, AA147830, AI278100, AA192651, AA070828, AA782902, AI815655, AA070056, BE866200, AA192676, BF212031, AA610321, BF678688, AI879955, AA923683, BF969895, AI224845, AA564302, AW130508, AH34457, BF962151, AA503189, BF948015, AA910390, AA158110, AV742633, AV744698, AI878958, BF964919, BE311727, AA308438, AI863146, N95018, AV745283, AI344806, AA112888, AA186678, AA526631, AA847739, AA602428, F26539, AV018823, AA083874, AW049943, BE958153, AA316417, F17706, AA099735, AV739630, D52869, AI192987, AV746403, AI540297, AI149112, AA385291, T27780, AI038843, BF595344, AA146746, AA506417, F26205, AV739187, AI801282, AA146747, AA664835, BF573989, AW262992, F28424, AV745990, F22200, AA664540, F27688, AW973119, AA531375, AI475222, AI906360, BF676400, AA533539, AA773178, AV744177, T64019, BF211310, AA373881, BG030785, BF574629, AV681847, AA580408, BE871175, AA669013, AV69866, D54115, AA224280, BF667957, BE216797, AA244162, AV728485, BB044954, AA650377, BB908110, T23953, AA317596, AA729652, AW629957, AV726694.

| HHGDK68 | 716 | 104546 4 | 1 - 2166 | 15 - 2180 | BE87933G, BF97319A, BE89300A, BP96644S, BF97043G, BF72657A, AA531497, AA537584, AV757788, BG03028G, AV739389, W05120, BG251629, AH344476, BF667990, AA508125, BF438523, AI347759, AA244348, BF304032, AI08004, AA805835, A1086743, AV728779, AA742574, AA482814, AW161717, BG116152, AW087292, AA736808, AA181201, BI103555, BE903896, BF203568, BF792029, AW674166, AI81588, F37383, AI459861, BG036190, BG251619, AI81610, BE252780, AA74704, BF026505, F37631, BF107085, AW374197, F25779, AA43336B, AA312002, AW161107, AA737303, AA747961, AA804727, AA609798, AA593362, H11182, AI879930, AA314662, AI720199, AA315040, AI972724, AW473234, AA230318, AA308431, AW517646, BE619510, AA654990, AA737300, AA602125, AA66527R, F26833, AA48367G, AI492728, F30366, F32525, F31553, AA603378, AL139099, AC026753, M15661, AB000910, Y09537, M19635, AC009464, AC005550, AC010620, AB000425, D11336, U01925, U78027, AL035422, Z98950, AC009006, U58105, AC004933, AC007022, AC00433, U50015, N94490, W23940, AA074303, AA508651, F15545, F17253, N87535, AA092246, AA585159, D19893, AB12208, AI318119, AB340665, AI583459, AI611386, AI611485, AI611527, AI802813, AI802812, AI928748, and AW073619. BE79846G, BE792763, BF346161, BG036648, BF526672, AW19287G, BG252976, BE727584, BG170636, AW080555, BF037480, AA402705, AL134722, BE314754, BF308128, BE727937, BF127508, BE792403, BF726123, BF11484Z, BF308283, BF087321, BE904611, BE878196, BG121014, AW581299, BE891151, BE294909, BE260835, BF149225, BE717224, BE314875, BE178816, BF829778, BE547480, BE270117, AW965542, BG18314, BF99393A, AW239476, BF794695, BE735034, AA190652, AU137393, AA001300, BE907465, BG113926, BE349269, BE394869, BE540323, AD54586, W27225, AW965053, BG001604, BF94935G, AW205949, AW960687, AA150308, R84546, AL079805, AA694546, BE885039, W19862, AL121458, AI022854, AI248653, AL134491, AA446496, BF330245, AW965553, BG105907, T74129, AI831633, BE542634, R54939, R87563, AW381629, H62448, BF736424, BF800312, AA494125, AA257958, BF876904, BE185001, R89018, F10003, AI25827, AI248651, F12386, AA336044, BF876147, BF127687, BE938879, AI272279, AW368711, T98060, AI828030, AI03792, BF530645, AI553819, AA335778, BF822637, AW381921, R49754, AA989589, W94106, AI872969, BF350448, BF094932, AW341300, BG167299, AV745913, T07757, AW885323, AV745597, AA402270, AV746103, AV745861, AV745528, AA317574, AV745699, BE793577, AV745572, AV746148, AV746342, AV379710, AA737996, AA112442, AV746343, AA725084, AV746240, AI421429, AW593611, T51370, AV746205, AV746234, BE185002, N90052, AV745556, AW589825, AI056996, BG149674, BE504468, AW583157, H55323, AI81132, AW873526, BF434326, BF983596, BE140525, BF433696, AW806797, BE140530, AW806769, BE140537, AV745604, BG056109, AI020993, I37043, AB024597, AB028736, AB042192, AB028241, AB042191, AF242536, AR063944, U29171, AF183394, M76545, I62438, and H55078. |

| HN.OKM38 | 717 | 104550 0 | 1 - 5155 | 15 - 5169 | AW968555, BG112918, AU131374, BF663523, AL039261, BF303987, BF307905, BG251559, AV753028, BE799852, AW976694, BE348623, AI102780, AW975771, AI824140, AW970138, AA855062, BF593932, BG254148, AI553813, AA652642, BE676603, BE547167, AW025094, BF205581, BF465313, AA442404, BF929424, BF115230, AW956014, C1E242, BE858311, AA463617, AA910053, AA149637, AW005325, AW500219, AI131430, W22181, AW892169, BF310817, BE974198, AI653494, AI144153, AI147052, AW500584, N48492, AA600846, AW084489, AW881107, AI146715, AI131429, AI184485, AI857619, AA043233, AI356899, AW273471, AI292205, AW009154, AI092851, AA50722I, AI475747, AI081975, AI027527, AI188617, AA514494, BF108742, AI003781, AI140121, AI813409, AI769089, AI097484, AA031367, AI131528, BF108751, AI077719, AI870311, AI636315, AI092702, AW504357, BE166730, AI151189, AI280813, BF377335, AW149704, AI949569, AI144289, AA808626, AI302699, BF092734, AA928737, AI818837, BE166727, AW085809, AI151243, AW072397, BF092684, AU153117, AW674814, AI081578, AW963712, AI299669, AW576157, AA696710, AA031366, AV704638, AA261786, AI082187, AE291767, AI122662, W44973, AA486067, AI096891, BE645337, BF732335, AA459445, BE674665, N93420, AI493100, AI810357, AA724134, AA150668, AI830807, AI126909, AI695065, AV706446, T64320, AI830919, AI473840, AA223863, AA972657, AW025734, AA975233, AA838818, BF888438, AI660743, AA678995, AA131522, AA701056, AI186771, AI095875, AI93199, AI198335, AA043497, AW151759, AI148806, AA039552, I163629, AI090278, BF888611, AW074422, AW166401, AA610498, AA079367, AI143324, AA932400, AA121939, AI419022, BF828267, AI298091, AI298830, BF432768, AA046027, AI814554, AA086173, AI291750, AI333860, AW500312, AA495941, N93195, AI279234, AA079366, AW504352, AI189949, AA235192, AA948186, AI566530, AA235305, AI459658, AL135516, AA234879, N34281, AI917944, AW996594, BF902332, AA150791, T86560, AI039499, N55334, AI219345, BF116056, BF058704, AW246911, H87243, N41823, AI459676, AI281364, AI219522, N95716, AI827160, AI864427, AI222287, AA854438, AI184792, T90637, BF888464, AA936270, AI308929, AI335780, AI749548, BF058780, T78159, AI200243, AI908307, AI146908, AW191632, H63630, AA961001, AW968730, AA928837, R72109, R53119, R92798, W77770, AA495942, D78921, N44173, AI151399, AA553700, AI089857, N35506, AH36061, BF732362, AW369792, AA088583, AI44584, AI299676, AV704653, R93253, R67862, AI277503, AI034120, N32868, Z28359, W07407, AA243431, N23435, R00240, AA279203, AA234903, AC003036, Y12781, F38006, AC012068, AC009494, T54329, T54404, T60642, T65670, T86738, T83164, R00349, R24045, R67863, R72066, R93159, R93899, R93894, H96272, N32874, N40453, N77340, N80278, W21461, W24959, W38781, W42673, W72105, AA034328, AA036664, AA046079, AA057288, AA058733, AA076639, AA100341, AA121940, AA131309, AA149505, AA224420, AA232808, AA235055, AA463265, AA279195, AA280646, AA282022, AA465669, AA661633, AA688118, AA745876, AA814049, AA830728, AA862668, |
| | | | | | |

2204

	HHFUN47	718	1045842	15 - 4702 / 1 - 4688	AA902536, AA978337, AA987914, AA988294, AA000298, AA486127, AA668808, AA757820, AA843183, AA854478, AA854526, AA860455, AA040515, AI041303, AI122560, AI147695, AI302206, AI369219, AI202087, AI436416, AI439578, AI401595, AI401644, AI128583, AI183279, AI184390, AI203834, AI636225, AI695566, AI948621, and AI951035. ALI18822, AU120116, AW269317, AW235710, AW949780, AW835591, BE883389, AW385523, AW366195, AU136378, BF672321, AW949772, AV647327, AA020767, AA805651, AI133211, BF790480, AW611834, BF678033, AA533280, AI934341, AI129264, AI623210, AW117432, AA032025, AV728387, AI761894, AW835672, AW804652, AW368145, AW835676, BF575294, BF241005, AW501351, BE207839, AW835756, AI148094, BF673972, AI75312, AW118039, AW118031, AA056300, AW30578, AW67346A, AA741269, ALI40731, AI080261, AW501352, AA047451, BF449051, AI076275, BE547656, AI168338, BF701512, AA825450, BF696195, N69536, AA733179, AI372863, AA644402, H79608, R86224, W00822, AW339691, AA773699, BF701693, AI032486, AI343746, H79607, AI168384, R84452, AW592904, BE907830, R59102, AA017282, BE744773, AI863708, AV732392, AA830217, AI247995, T74357, AA083799, AW955352, H86635, BE536679, AA113340, AA773860, BE029973, AA317438, AW748183, Z25042, R98711, BE084828, BF086229, BE930149, BE930157, BF086233, R98935, H86640, Z28740, AA047508, AA24414, F12677, R77563, AI248001, R59103, BF964981, H86386, BF90593, H66174, AA325403, BE695829, BF086234, H72726, R4855A, BF987882, H85264, N96687, BE930144, H86547, AA370230, R39409, R77464, M79138, R54000, BF215738, BE958434, AV725256, BF815162, AA768433, R22817, H86552, BE93017, BF343210, BF822505, AI365558, BF343307, H66175, FI0238, BF807929, AA917319, H82743, AA777671, R39650, BE930207, H64896, R21203, H83618, H72727, R92960, AA354071, AI052753, AA325917, AW043708, AV657290, AI813384, AW275798, H64897, BF840999, BF343127, BF937880, AI802143, AI659361, AI633530, N77699, AI692218, C0133, AW51262, AI078548, AI373722, BF001516, BF308373, BE40993, AA295269, BE005257, AW38771l, AW675785, AI185142, BG055127, BF343973, BE930154, AI589187, AA974704, R86225, BF086222, AI492965, AV732391, N84068, AI34970, BF109219, BE764445, N86911, BF332083, AA911023, AI523089, AA724435, AW771479, AI040732, AW002191, AI040768, AW629685, BE764472, BE246666, AI699869, AI479544, D79918, AI264089, AI129110, AA031914, AI433888, AI344749, AI962683, AI984242, AI261676, AI401253, AI245165, AW470003, AA020768, AI982771, R29471, AI274493, D63477, and D16924.
	HNTSV18	719	1045995	15 - 505 / 1 - 491	AW630624, AV689396, BF847954, R13365, Z15071, AV688500, AI000534, and AF036364.
	HWHGU08	720	1046137	15 - 2873 / 1 - 2859	AI261617, BG252364, AI963829, AI857990, AI431824, AI632752, AI590245, AI953341, AU150524, AA888092, AW300119, AI797786, AW969008, AA194057, AL516571, BF111123, AL516572, AU150299, AI436657, AW080248, BE219089, AI149239, AI891112, AI073870,

2205

HE6CR19	721	1046177	1 - 1191	15 - 1205	AW188694, AA663489, AI262316, AI188545, AA233725, AW131231, AW275906, AI217741, AI151260, AA136199, AI311481, AA448884, AA857577, AA362710, AI991404, AI678447, BF982221, AI149241, AA232531, AA770403, AI364963, BG110915, AW512180, AA80838Z, AW068128, BE536399, AA628392, AI360798, AI670814, AW848655, AW848450, AW959114, AW294554, AI631802, BF432569, AW848183, AW848591, AW848550, AI635883, AI359390, BF197148, AA838810, AA854733, AI356684, AW051445, AA513423, AW376675, AI816895, AW848598, AI83029S, AA889216, AA845645, BE675184, AW848189, AW468079, BE675761, AI819478, AA129248, AI889124, AW848852, AA679597, AI538752, BE242315, AI922646, AW376657, AW007023, AA927982, AW165989, AA496715, AI831597, AW848523, AA918282, AI873444, AA639779, AA768903, AI802109, AA810255, AI381214, AI984461, BF890937, AA503063, AW848795, AW390112, BF891023, BF896816, AA772589, AW533936, AA603947, AW874495, R41181, BF891117, BF891035, BF941308, AA889371, AI571429, AW074692, AA627192, BF886865, AI699080, AW376696, AA904346, BF967798, R45505, R24536, AW581780, AW073135, AI934151, AW150563, AA262180, H04419, AW079470, BE693176, AI830272, R23641, AW376640, AA345408, BE695186, BF891364, R16667, BE379709, AW364968, N87220, R28439, AA504103, BE004361, AW169582, AI621369, BF697952, C01309, BF381903, AW736657, AW752650, BF129835, W72318, F17821, AI813395, AK024802, AF006516, AF118855, AL161450, AI277074, AF260262, UI7698, AF001628, and U87166. AL527780, AL527781, AL519895, BF684507, BE728826, BE732828, BG033941, AL519643, BF195663, BF026407, BF440019, BE781977, BF440052, BE778879, BE878075, BE780848, BE387517, BE563797, BE778881, AL519894, BE736231, AL519642, BF036674, BG105762, AA127810, BE960859, AV759501, BF725812, BE782483, AA639784, BF213309, BE779179, BF667921, BE877161, AI088520, BF593734, AI984009, AA035465, AW173349, BF679234, AW162019, BE513040, AI453530, BE675483, BF681153, AI719084, AI719711, AW575396, BE440008, W52852, BE390815, N34255, AA643698, AW160399, AW152523, AI342341, AI361959, AA121482, AI36152, AI887169, AI954927, AI142474, AI953987, BF239121, BE254564, AA088249, AW051781, AI359968, AA922338, BG254402, AI609114, AI144474, AI143580, BG022562, AI127719, AI685961, BF939832, N25654, AA120783, BG054734, AA455701, BG300789, BF784090, BF036389, AI493197, AV751872, AI337879, BG170723, AA507014, BE883738, BG252431, AI467977, AA830816, AI087247, BE253888, AI040901, AI978624, AA33249R, BE276608, AA024762, BF972946, AA976499, BG254889, W80466, AI181577, AV711565, BF904995, AI291251, AW239079, BF876001, BF380086, BF516510, AW151050, N30499, AI13242G, AI18805, AA120782, AI950951, AA045679, AW304280, AA865206, BG165235, AA910216, AV721356, BF028243, N33152, BG255156, AV734719, AW055058, AI680538, AI423011, BF691779, AI302349, AW74487, H74189, AA648271, AI149371, N25333, AA176232, BF111041, BI463645, AW390100, N7991, AW337755.

Accession numbers	15 - 712	1 - 698	104685 6	722	HEPE182
AI680260, N34854, AI190500, AA505915, N89904, N79707, AA831991, N42142, AA938653, AW407963, AD83698, AA974414, AA312807, H70394, H84952, N21267, AW055130, BF182781, BE280989, AA723429, BF217992, AW953806, BG113179, R20300, BF697509, AW152458, BE874970, H73369, AW079935, BE834190, BF701098, W60079, AA857060, AV725874, AI354756, AA846240, W76420, N43927, AA455649, AA176320, AA876647, AI631124, BF084806, AA740167, R97376, AA887421, BE73243, BF971153, W19497, AA687553, BE543360, AA836918, AA505346, BE739508, AA570008, H79944, AI189939, W261898, W31972, AA574162, BE064765, BE894109, BF726887, AW407596, AI873685, BF244338, AI573053, W72663, AI538660, AI362342, R99236, BE961088, AA024761, BF741937, AA654253, AV737407, AA302225, BE866570, R074114, AW044054, AA837569, AW517926, W80575, C00198, AW439161, AA305409, AW439165, T69791, AW198013, AA132425, AI349594, AA182911, F13802, T70776, BF666742, H73299, AI301991, AW439156, AA743522, R99001, AA307572, H80110, N89901, BF053829, N56317, AI784471, AF151028, AL358777, AI024498, Z98752, A74520, T89607, T85051, R43641, R43641, R97377, H73965, N62759, AA035464, AA467792, N56343, AA708668, AA779494, AI244047, AI206671, AI811438, AW00325, and AW439162.	⟨long list⟩				

HRADC23	723	1046980	1-327	15-341	AI587231, AA099350, BE382586, AA101881, AW771669, AA910681, BF836927, BE734934, AI682313, BE746459, AL529177, BE744427, BE258891, AA852152, AA358654, BF248355, AA852358, BE297140, AI084288, BE877060, BE311736, AA299606, AA661606, AW661909, AI122552, AW189262, BE272381, BE899538, H28680, W25636, BG114330, AA852357, BF525821, BF931289, AA583685, BE741111, AI869393, BF345637, BE619179, BE735020, BF968691, AA340042, BF206661, AA551610, BE380823, AW516654, M78597, BE539017, AA244087, AA940001, AA477161, AI560687, AI085898, AA704032, AA328638, AA307307, BE278409, BE878183, BE780897, R96896, BF081567, AA564844, BF792236, BE747488, BG250791, BG257565, BE740210, AU132767, BE397605, BE622013, BE258856, BE253487, BF752901, AI37497, AW009743, W90781, AI752049, BF032555, AI148866, BE735762, BG121159, X74104, D37991, X53529, X53591, T50689, T52765, T98893, N71905, N75551, W05343, AA055363, AA187592, AA610237, AA894874, AA911431, AA999703, N85487, N87010, AI474603, AI207089, AI687012, AI831774, AW009433, AW105264, AV263400, and AW273054. AU126881, BF983814, AI557307, AK001343, and AB023206.
HODHS68	724	1047137	1-2288	15-2302	BE792114, AL534348, AL534349, AU124491, BE562397, BE730315, BE744720, AU121103, BE741883, BE794040, BE798051, BE902365, BE734769, AU138176, BE250049, BF313678, BE274812, BE616156, BE791884, BE743514, BE792079, BE899195, BF663485, BF337566, BF026377, BE512749, BE729142, BF970574, BF974320, BF311538, BF343802, BE791179, BE794696, BE967223, BE752083, BE735292, BE891114, BE740517, BE876949, BF663556, BE612746, AW953708, BE899109, BF316276, BE220113, AU123329, BE855899, BE907314, BE261130, AU138135, BE250022, BE280747, BE338938, BE514266, AU139275, AU139772, BE617604, BE207133, BE614858, BF568538, BE646559, BE269929, BE512850, AW009368, BE407831, BF967992, AI127417, BF127578, BE304393, BF027687, BE391369, BE390191, BG180845, AV727024, BE389618, BF204525, BE896693, BE407376, BE858244, AU138529, BE891905, BE272012, BE385611, BE388055, BE398168, BE729753, BG055002, AI174970, BE269924, BE277405, BE252867, AU124535, AI745604, BE269570, BE884489, BE267965, BF967269, BE789154, BE390973, BE255883, BE253680, AU139847, AU122058, AW249536, AU135396, AI816428, BE391850, BG261416, BE743657, BG027907, AV734566, BE315559, BE30574, BF034659, BE904702, BF971755, AA837518, BE901600, BE884643, AI333777, AW960014, BF304373, AI754405, BE262846, BE387151, BE364911, BE293615, BE389505, BF436344, AW953707, BE277342, AV722757, BE254088, BE616947, BF435115, AU088783, BE389938, AI01741, W7293, BE382443, AI147213, AW960003, BE313512, AI815488, AI391611, AI687490, BE251116, BE301958, AA054638, AI978906, BF840536, BG231617, BG179142, BE20839, BE388273, AA481724, AA461067, AI762566, AA481485, BE931983, AI161029, AW072033, BB898683, BE293820, AW182359, BF681691, BF207095, BE259061.

AI188625, BF219380, BFI55692, N21640, BE720638, AW069631, W73238, BE970217,
AA311057, BE389980, AI066650, BE855747, AI081964, AW316842, AA429031, BE857563,
BE394169, AW023435, BE562038, N52163, AW418678, AA496780, BF090365, AI090204,
BE677045, BE385324, AI885101, AI016096, AI246228, N30905, AI188263, BE876627,
BF091259, N33541, AA489159, BE840439, BE090196, AW960610, BE410706, AI189311,
AI523320, AI264252, BF929247, BE740645, BG236073, AI498755, N23821, N36391,
AW021658, BE391517, AI032633, AA805527, AI082191, BF574528, BE293639, AI754248,
AW007166, BE390217, N26501, AI039590, AI126855, AI061177, BE613212, AA974659,
AI937917, AI140456, AI885404, H96584, AI361000, AI200432, AA995066, W94866,
AI375797, BE276398, W23462, AI393171, AI079801, AI031798, AI166236, AA084368,
CI7499, AA599882, AK000826, AF119891, X93499, AX013198, XI2535, X89650, YI3361,
AK024417, ALI62009, AK026136, MI3522, AF050175, U44104, AF286635, AF050174,
ZZ2474, T41237, T49365, T49366, T52494, T52573, T53095, T92375, T72624, T72694,
T81377, T81378, R14901, RI8363, R32401, R32402, R35379, R41223, R47838, R49680,
R41223, R49680, R60220, R60454, R62777, R62778, R66347, R66558, K68602,
K69984, K69983, K70049, K70099, K70110, K70111, K73016, K75787, K75788, K77741,
R81163, R81162, R81802, R82737, H00591, H01475, H01574, H02329, H02431, H03133,
H14206, H14205, H17129, H39723, H39768, H38506, H44544, H44543, H47922, H48101,
R83597, R83749, R86347, R87499, R88197, R88544, R88545, R90857, R90896, R92428,
R92517, R92794, R97827, R97878, H56353, H56358, H56352, H57277, H57276, H57771,
H57292, H61391, H63424, H63481, H63622, H69522, H69529, H69984, H73434, H77487,
H77488, H83444, H83552, H87182, H87516, H87517, H87687, H92814, H95169, H96705,
H96877, H98704, H99090, N22193, N22209, N23816, N24271, N24594, N26093, N26550,
N26694, N26849, N26959, N27238, N28881, N29394, N31558, N33151, N33740, N34613,
N35554, N35658, N35664, N36733, N41454, N41520, N44266, N46127, N53144, N56769,
N58578, N63694, N67629, N70259, N70715, N71234, N73095, W01103, W33194, W37260,
W45114, W80436, W96012, AA034507, AA043679, AA043680, AA081531, AA088213,
AA12163, AA121474, AA129984, AA157916, AA157917, AA158844, AA160027,
AI60981, AI161468, AI160609, AA199850, AA199923, AA227520, AA233408,
AA252257, AA258678, AA460495, AA425847, AA429245, AA224790, AA228371,
AA228360, AA259238, AA470411, AA490334, AA490442, AA502402, AA525787,
AA535596, AA548548, AA552917, AA558406, AA565116, H63574, H69977, H75564,
H92813, AA600897, AA614009, AA721476, AA731273, AA738063, AA806152, AA808086,
AA811700, AA826452, AA833982, AA847464, AA848042, AA877387, AA877989,
AA862492, AA909862, AA935369, AA948405, AA976796, AA901878, AA991882,
AA999948, N92137, N99615, N99851, W02323, W04194, N87352, CI4063, AA641344,
AA081101, AA090154, CI5260, CI7157, CI7928, C20569, AA095238, AA160980,

HOPKT59	725	104716 9	1 - 1993	15 - 2007	AA218775, AA290687, AA291091, AA449127, AA449265, AA476599, AA488129, AA620479, AA676685, AA705779, AA854317, AA860166, AA884140, AA773316, AA905828, AA909624, AA923748, AA973200, AB022552, AI023488, AI028791, AI051074, AI081126, AI082681, AI085234, AI097349, TI0777, TI1131, D19899, Z38743, D45665, F05823, AI262685, AI269150, AI271890, AI279198, AI298028, AI299146, AI303022, AI341108, AI357991, AI364765, AI220128, AI446705, AI470657, AI471623, AI128398, AI138701, AI147784, AI149728, AI185230, AI190294, AI203607, AI204421, AI652819, AI220837, AI223164, AI242124, AI206650, AI247419, AI342635, AI349451, AI351304, AI682521, AI745182, AI817035, AI918735, AI918796, AI948989, AI926708, AI989596, AI990146, AW026478, AW055012, AW118478, AV205325, AW275751, AW079938, and AW450300. ALS38267, ALS38268, ALS36316, ALS19069, ALS18089, ALS19068, ALS34091, ALS18090, ALS18720, AU118653, ALS13972, ALS16932, BE396428, BE561425, BG030683, BG168170, BE902101, BE898741, AU120625, BG258226, BF969760, BE881362, BG109328, AV715166, BG031962, BE560577, BG170701, BE271235, AV697227, BE563297, BG110384, BG035319, BE778261, AV687629, BF793338, BE867409, BE537748, BG028050, BF968668, ALS18719, BE779869, BE889369, BE868440, BG034796, BF795452, BF794003, BE535885, BE536946, AI114609, AV683224, BE908653, BG170806, BG028857, BF790207, BE888320, BE176437, BE252802, AV682238, BE790123, BE884131, BE886162, BE383007, BG026597, AV648458, BE780464, AU121530, BE785759, BF317433, BG165377, AV723872, AW346426, BE102623, AW246676, BE790083, BE893453, BE621952, BG168808, BE780001, BG260764, BE176464, BE560381, BE781301, BE895718, BE542076, BE268194, AA861515, AU127224, BE866204, ALS36315, BF219209, BE547995, ALI34953, BE563654, BE893450, BG251870, BE537883, BF665254, AW574534, BE597344, BFI30962, BG117986, AW951780, AW961790, BF665393, BF213508, BG036975, BE909591, BE393351, AI057535, AV695128, BF243084, AA64078B, BE565377, BE893448, BF667482, BF241609, BE382787, BE82314, BE548460, BE966884, BE623002, BF669327, BE567045, BF030561, BF382276, AV648438, BE566531, ALS15219, BE271127, AW026704, BE768761, AI890350, BF094514, BE539503, AA478931, BE779052, AA788718, AW085632, BE958103, BE910474, BE566183, AW020966, AT547564, AW027875, BF212113, BE301928, BG120145, BE939321, AA705802, AA669341, BF341741, BF431052, BE163541, BF699060, AI525599, BE566933, BF246771, AI565691, ALS16931, BF668817, AV291598, ALS18721, AV648187, BF028376, BG035478, AI371145, AA564341, AU126239, AP24037, AW089712, BG179942, BF594063, BE257258, BE909857, AA315150, AW474730, AI348106, BF03440I, AW511476, AI913II, AU213273, AI582889, AI498850, AA789326, AW63086B, AU278005, AI567879, BE271121, BG025633, BE221459, BF340121, BF377699, BF004951, BE583659, AA315129, BG108412, AV648349, AA620387, BG259842, BE542108, BE785934, BF591540, BF525858, AA599830, AW072545.

		AA306049, BF185423, AV721132, BE883656, BE699023, AI994470, AV648473, BF697442, AI242725, AA315180, BF513245, AA452042, AI928158, AI439232, BG117531, AA226852, AA961717, BE779864, BG257951, AA029261, AI092261, AA314865, AW895687, BF799993, AV719009, AW129635, AW438776, AA669052, AW592203, N34877, BF248259, BF215232, AA555365, AW887852, BE888259, AW513238, AI818504, AA641925, AI014636, AI476084, AA976935, AA190593, AI628836, AW100384, AB024935, L24804, X56465, AF153479, L24898, Z69891, D17252, T49166, T49165, T65853, T66008, T89324, T89960, R17154, R21213, R70503, R70595, R71266, H04315, H04358, H09340, H09401, H17054, H17669, H79737, H79738, N27408, N28922, N43951, N45482, N47755, N49509, N56868, N69773, N79898, W04533, W19882, W31413, N91285, AA057824, AA081094, AA081252, AA082727, AA110363, AA100462, AA112604, AA128363, AA128539, AA134832, AA136097, AA136167, AA142973, AA150645, AA169382, AA220929, AA223345, AA226775, AA484705, AA515102, AA455220, AA564606, AA564662, AA564974, AA583026, AA605265, AA613044, AA627802, AA569842, AA730356, AA810347, AA857876, AA878595, AA908406, AA911607, AA916879, AA989160, AA989481, AA995616, AI027565, N83746, C01572, AA641880, C16109, C16166, C18315, AA205060, AA205071, AA649635, AA652031, AA216548, AA216747, D11955, AA443803, AA447171, AA452759, AA600219, AA634009, AA665997, AA666159, AA905431, AA978187, AA938907, AI039553, AI049867, T11323, T11431, Z25231, T18525, F08662, F00300, F13427, F13638, F09162, AA774001, AI262523, AI273111, AI276292, AI282480, AI285547, AI301109, AI339677, AI346025, AI366831, AI201532, AI453442, AI433340, AI434200, AI434806, AI440418, AI440108, AI417925, AI469727, AI471345, AI500561, AI420265, AI572913, AI573121, AI583568, AI127852, AA624505, AI625532, AI628259, AI240616, AI205574, AI583346, AI689521, AI701931, AI784425, AI830629, AI862765, AI874072, AI869436, AI887941, AI890361, AI912024, AI914795, AI916694, AI917969, AI951317, AI932425, AI933236, AW073119, AW074210, AW130436, AW148541, AW150593, AW269341, AW271512, AW272866, AW189128, AW292590, AW304088, AW337672, AW744507, AW512611, AW513381, AW515176, AW516280, AW517082, AW517809, AW591241, and AW630426.	15 - 1027
		AI521763, AL521762, BF792361, BE261099, BF526380, AI986196, AI889615, BG256168, AI921080, BF527738, BF058408, BF685525, AW129664, BF665973, AI889328, AI720586, BE778576, BE263619, BF681436, AV764474, BF527915, AL533665, BE727439, AI494337, BE043924, AW304856, AW245895, AI334063, AA478881, BE778413, BE047261, AI937111, AW005094, AA046873, AA236621, BF794030, AA436426, AA587338, AI131298, AI150026, AI264608, AI039900, AA200292, AI689937, W44562, AI033606, AA432040, AA708471, AI384070, AA431781, AI460207, AI566174, AI208747, AW245638, BE165650, AI338120, AI075087, AI148620, AA236897, AI003386, AA553372, AI160495, AI860826, N37025, AA588125, BE772371, AA991703, AI860722, BF670021, AW173632, AI031930, AI148963.	1 - 1013
			104721 2
IHMCFR45	726		

HPIAN63	727	104738 1	1 - 923	15 - 937	AW168829, AI284321, AI457446, AI027256, W69467, AI311583, AI815381, AA876906, BF669652, W37915, AA046830, AY710103, AA932773, AA741373, AA603077, AI023121, AA449010, AA428777, N42766, W35117, W47604, W73646, W73546, AA150682, R72904, BF678244, AA429067, W00566, W02115, AA399367, AW005162, W95672, BF835747, AA024927, AW391884, N32427, W39632, AA024821, N68925, BE773432, AA724356, AI078614, N52649, W03625, W86128, AV702334, N48072, AA864986, AW169447, BG152585, AI023014, W37873, AW953711, AI439582, AI167338, AI024324, BE773433, R84537, N44144, AA291155, N31929, AA604112, N56850, AA708015, AW168492, H75452, AI784449, AW817424, K50726, AI685743, AA401057, H68809, W73740, H47782, AA714295, R62425, AA622285, AI567490, AA536139, BG152789, T89276, AI091991, H75453, H75718, W32576, AW176075, AA464235, AA299907, AA745944, AA618424, R00445, AA480257, AA854864, H38730, AI459958, AA360539, AA450365, AI128940, AA419131, AA402870, F27256, H75646, AI35083, AW372091, T51075, H82027, AA419070, AA524437, W69551, R50263, AA302581, T84349, H68907, AI198755, AI219212, AA320915, AW102622, AA134986, W20382, AA150759, T52116, AW352212, Z19461, AI534666, AA922411, AI546987, T47527, AA292199, T47528, BR878821, AA927566, AA126258, AA481370, W95960, R00444, AA781686, BE698917, AA442601, AW960126, BF952077, AW301751, AI271392, AW071336, AI223685, AA326108, AI251625, W36148, AI306755, AI270927, AI749519, AI371583, AI340673, AI381741, AW268223, N36140, AA331286, AI883962, AV740936, AI349136, AI369095, R58465, AV740901, AI335150, AI310791, AW071131, AW074958, AI378702, AI155459, AA537363, AW393803, BF955754, R73541, AI311354, BF758410, AA464104, BE042233, AA126362, H05078, AK026865, AF182844, AX014307, R51643, H81932, W15447, AA025859, AA025860, AA235603, AA428056, AA483824, AA505514, AA596000, AA622006, AA983592, AA995342, N72378, R29446, C20949, AA454504, AA479725, AA724000, AA758683, AA781797, AI016156, AI061130, AI085723, AI088268, AI272130, AI318180, AI445816, AW302931, and AW517046.	AL521431, BF528399, BE386454, BE907876, BE885815, BE384806, BE742226, BE868872, BE393635, BE296830, BF210412, BE794021, BF316528, BF311673, BE798804, BF977510, AW879736, BE560588, BE874213, BF796768, BE312472, BE866870, AL534406, BE397088, AA088481, AI741504, AL516793, BF753924, AL518414, AL526106, BE274338, BE384768, AA135064, BF918538, T34299, AA211505, AA077740, BE741094, Z19160, BE409406, AW960296, BF335111, R18344, BG16230, AA705590, AU133650, AL528238, AU125394, X9329, AL528237, AL520947, AL517099, BE274799, BF792476, BE753293, AA211552, BE733623, AA191137, BE944991, AL518413, BF970660, AL516792, AW273923, BG109174, BE790955, BE280703, BE900248, AL521430, BF313555, AW583107, AU131283, BF311518, BG116176, BE793654, BF793593, BG254726, AL517098, BF766970, AU124823, AX379380, BF668042, BF795670, BE387052, BE085906, BE736616, BE764968, R58133, BF026937.

Name	No.	ID	Range	Accession numbers
HNSME49	728	104740 3	15 - 1297	BF338460, AI051939, BF530972, BF794998, BE266505, BF352037, BF313232, BE730639, BE254132, BE896911, BE898117, AW194593, T08024, AW367908, AU124147, AK022575, AF011792, AK001281, AB023165, and U89434.
			1 - 1283	AL523562, AL523563, BE378573, BF206213, BF975035, BE741172, BE731890, BG116379, BF312271, BF065266, BF684218, BF204109, BF974071, BE275663, BE616390, BE266413, BE251848, BE312782, BF395951, BF738719, BF616657, BE782323, BF562006, BE394175, BE281417, BF395250, BE385799, BF699117, BF393978, AW161930, BE280885, BE266301, BF212649, BF797676, AW327483, BE383915, BE392818, AA532682, AI879343, BE207213, BE407786, BE738153, AF927308, BF684140, BE278833, BE278348, AI887795, AW157569, AI720383, AW168022, AI189980, BE267205, AW078785, BE385795, AI745650, BE786772, BF515375, BE389083, AW341049, BF779313, AL037204, AW249997, AA280809, AI621091, BE047746, AW161588, AI381975, AI879723, AI803074, AW022517, AI985130, AA476629, BE769360, AA679795, BG034061, AW164444, AI763315, AI936543, AI866527, AA583368, AI694596, W26865, AW016826, AW515140, AI685799, AI224558, AI382901, AW238803, AA076232, AI968250, AW241422, BE514362, AI825161, AI214277, BF939583, AI203033, AW602826, AI962655, BE272870, BF994247, AW207092, BE252620, AI370488, AI206860, AW377597, AA076233, AA602981, BE551059, BF765181, AI682531, BE765007, AA280861, N50855, AI611693, AA805491, AA757347, BE378176, AW378754, AW007634, AV712854, AL525708, BE765158, AA449158, AA928507, BF092051, AL121780, AL121900, and M90309.
HWEAC64	729	104747 3	15 - 723	BE618503.
			1 - 709	BE611503
HOCQJ51	730	104748 3	15 - 1708	AL526732, AL521724, BE898418, AV729573, BF037796, BF034373, BE549240, BE396381, AV722692, BF974647, BE397839, BF528776, BE513516, BE513533, BG177494, BE513961, AL521725, BE559679, BE781919, BG179481, AW016879, BE313441, AW027739, AW060345, BF000603, AI937001, AW006300, BF000621, BF223444, AV665359, AI984913, AW732370, AW027749, AL52669R, AA514389, AH420117, AI376011, BE268873, AW044304, AW170680, AA927748, AI805193, AI597781, AI083552, AE285216, AI380507, AW965544, AI955084, AI131407, BGI21860, AI921290, AW573286, AI220811, AW467548, AA335820, AI860832, AI567117, BF675325, H20004, BF297532, AA805985, AI497610, AW196701, N50962, AW580605, R89359, AI685370, AA463330, AI675238, BE397659, AA305422, BF247434, BE990347, BF087638, AA948600, AI749405, AI495980, AA720818, I72734, AA313736, AA352987, H81154, AA613712, AI917200, H20005, BF874291, BF690826, AI971540, T83260, AI174354, BE241897, AW467675, BF915871, AA927279, AW572279, BE269418, AA157946, AI910070, AA157109, BE241698, AK000437, AB034912, ABG34911, AL136528, AB031234, AF253000, AI953044, and AI991519.
			1 - 1694	AL523829, AL523830, BE748485, AU123670, AV718375, BF797141, BF568841, BF887723,
HOPKE15	731	104763	1 - 1513	
			15 - 1527	

4				15 - 2572	AA887480, BE729808, BE893661, AV715007, BE538386, BF568532, BG024630, BF983240, BF184518, AW338929, BF975383, BG028594, AW006816, AV702828, AW084038, BF609094, BF513421, AW949818, BE748296, BF212610, AI754052, AI339062, BF699690, AI860543, AA410913, AI184478, BE546334, AA829501, AI813648, AI334051, AI343363, AA447551, AA745858, AI342592, BF211853, AA441809, AA877341, AA830648, AA910616, AW327730, AI283134, BF238587, AI124061, AI858562, AA837909, AA099842, BE565203, AA134879, AA136131, AI476616, AI937399, AA134878, W37996, AA099982, AW327787, AI316961, AI937747, AA765478, AA128810, BF674972, F33250, AI298461, W37995, AA136101, AW297330, AI632923, AA375379, BF090497, C01321, AW052030, BF007225, BE710326, BE710320, BF208364, AI98318?, BF246448, AA679476, BF803430, AA639630, AA278834, AA296711, F13794, AI630249, AI265057, N09349, BF215870, AA082250, T2187, AI525196, BF209792, AI904997, AA876022, AV743531, AW960459, AI081810, BF215317, AA278288, AW889690, AI301503, AA448533, AA383741, BG112653, R58264, BE823841, AI858864, AI312201, AA743611, AA129834, BE540080, AI383138, AA213847, H11824, AI354338, R65651, R32322, BE739230, AW008089, AI952885, AW08006?, AW082559, AA224995, N58006, AI133010, AI133418, D38491, AF258346, AI008627, AC006530, AC005756, AK023843, AR075073, AI391259, AC001226, AC004583, AI031005, D8577?, AC004217, AK000925, I27606, I27609, AL008710, L41624, AP00008, AI138825, AL049650, AC006071, AP000030, AC010677, Z95116, AL133545, AL117337, AL359272, AL096870, AC005562, AC007597, AC022392, AC007383, AP000403, U21664, AC000353, AC006077, AC010525, AP000088, AL391990, AL358931, Z98885, Z98743, AL096865, AL110505, AC005015, AL133386, AC007954, AP001676, AC005340, AL04569, AC004030, AC005953, AL023096, AC011462, U48216, U71217, AL356464, AC01045S, AC008403, AL158830, AF218021, AL109980, AC007787, AP00036?, AC020955, AL022302, and AA44187I.
HMAEL73	732	104/7646	1 - 2558		AL532426, BE297944, BE386143, BE893884, BE315356, BE469326, BG036503, AW967111, AW961024, BE395210, BG163373, BE882916, BG164806, AL532425, AW205627, BE715432, AW519019, BE879585, AI829143, BE888360, BG119756, BE326884, BE349200, BE646191, BE787868, N57477, AA402175, AI052349, AI338603, AI494300, AI449727, AW965679, AA861385, W93399, AA643939, AI148517, AA609481, AA782461, AA305901, BF950214, AA860606, AI397690, AI494301, AI193064, AA127902, AI609156, AL449728, AI310400, AA603477, W27291, AI292350, AI186245, N47622, AI248335, AI017696, W92807, BF818795, AI188548, AI399037, AA723059, AA169582, AA056679, AA729892, AW384923, W92846, AA399076, AA778601, AA412051, AA086075, AI242362, AA976896, BF109039, AA086074, AV708368, AA843552, BE715430, AV709683, AW892380, W35189, AA044042, AI201884, AA351819, AA056575, AA317955, AI26351, AW79151, AW24225S, AA338497, AA411984, R67339, AW006538, AA534373, AW379194, AL449527, R66505, AD47477.

HN0KE42	733	104766 3	1 - 1458	15 - 1472

Column 1 - 1458:

AL537309, AL534923, AL538147, AL514646, AL518134, AL534922, AL515144, AL514938,
AL537739, BF798047, BE779102, BG110531, BF794729, BE882547, BF311527, BE784081,
AL518133, BE898001, BF03822, BG122138, BE777792, BG112262, BF98361F4, BE835503,
BE900779, BE619105, BE875113, BF112594, AW365985, BEI17559, BG028156, BE368250,
BE870956, BE872233, AL514645, BG109955, BF670395, BF346910, BG168710, BG026197,
BE780520, BF98353I, BF797061, RF339680, AL538146, BG169331, BG028740, AI129342,
BF725462, BG171543, BG252293, BG249056, BE887341, AL037611, BG105682, BE883335,
BF035037, AI181006, BE885648, BG164156, BF528550, BE257521, BG031713, AI802026,
AL514937, AI983543, BE778562, BE882490, BF061647, AI990763, BE892035, BF965918,
AL037610, BE541114, AI652540, BF316618, AI000619, BF744480, BF059626, BE536045,
BF925139, BF801724, AW750023, BE895920, AA232766, BG255779, AI903957, BF342272,
AI365054, BE261410, BF371935, BE702478, BF367977, BF349486, BF371940, BEI42967,
BF371926, BE768197, AI126461, AW934913, AW803204, AA232632, BE789515, BE255672,
BE251893, BF354308, AI424726, AW934911, AL515143, BEI42794, AL037608, AI393617,
BF382938, BE766236, BE768129, BF358546, BF361194, BF358539, BF371904, AA913112,
BF371898, BE768201, AW751701, BE004342, BF371894, AW176051, BF371900, BF358544,
BE767990, BF371892, BF744337, BF744338, BF371879, BF888166, BF358573, AL537728,
BF354309, BF746402, BF888256, BF358575, BE834218, BF747016, BF907582, BF371930,
BF746494, BE87422, BF888144, BF746493, BG027152, BE767988, BF358579, BF358537,
BF368667, BF358577, BF358857, BF746409, AL557639, BF358561, BF381335, BE160864,
BF990698, BE047805, AW948956, BF371953, BF371862, BF184327, AL531930, BF309803,
BE774413, BE768168, BF358557, BF367961, BF744496, BF746405, AA436622, BE768071,
BG150224, BF744334, BF368642, AV726854, AW953059, AW748718, BE873784, BE379011,
BF887417, BF911134, BF74018, BF371922, BF371961, R35559, BE548241, BF371889,
BF747019, BF747022, T09118, BF907637, BF358578, BE543886, BF774162, BF747017,
R44882, BF333533, AW057993, BF445006, BE467280, BF108461, AA420782, W26640,
BF907640, H79330, BF887425, BF768196, BF907641, AA470498, BF358582, AW674592,
BF356716, BF243408, BF377229, BE964054, AW948865, BG000044, BF072193, BF380438,
BF94002, BE768097, BE881355, BF335554, AV729326, A109128, R41146, BF358537, BF382440,
BF380435, BE768099, BF371863, BF037905, AA155819, BF333429, R41146, BE768088,
BF986234, BF358363, BF362106, BF38633, AA913547, BF371901, BE536145, BF371868,

Column 15 - 1472:

AA837222, BF507808, AW379157, AA603212, AW821112, H39528, AW067696, H28041,
AA169881, AW799498, AI520817, AV739893, H46244, AW799461, AI890565, AA318637,
W23687, AI18484, AI449729, AW79466, AW374842, N83599, AA149730, AW063722,
BE925723, BF131642, R29154, T09601, H93736, AA585097, BF026406, AW803738, R57439, and
AF221992, ALI57427, AKO25741, AL034430, AF254074, AF25813, and
AF075024.

HOF.AE31	734	104767 0	1 - 208	15 - 222	BE768103, BF371856, AF116272, AB041651, AF155654, AF090922, AF176646, AF095791, R34232, AA508194, and AA249393. AI718967, AI066500, AI191408, W16766, AI074219, BE697102, BE174216, F25014, N45385, BF697153, AA465517, BE697155, BE933955, BF125263, BE279614, AA602119, N94010, F32882, F26209, F25830, N98860, BF890754, AI34901, N77808, AA528414, BF910925, AI338326, AW088372, AW102799, BF082365, BF446895, BF910923, BF940764, BF940090, AA32020A, BE407862, BE880623, AA768215, AI151192, AA788658, AI150785, C03969, BE880657, AI302844, AA725287, BE274216, AL038871, BE250832, AI350125, AI568272, BF184324, AA983392, BF025668, AA525200, BF690188, AA977031, AI093521, AI580262, AI720008, BF982252, BF982387, H97078, AV757870, BE280265, BE746297, AI313204, AI626036, AA526171, AA877563, AI14433, AA934574, AI079769, BE537552, AA573686, AA639915, BF336619, BI621249, AA574008, AA976783, T51767, AA492272, AI189510, BF689799, BG621639, AI281422, BB070317, BE270062, BE206770, BB731365, BF726456, BF792623, BG179454, W7094, BF314551, AW860411, BE514138, AI926973, BE278145, BE279378, BF949692, BG104162, BG10416, BF594000, BE252045, BG116305, AA845331, BG033879, NT5412, BE79S222, AU159719, AI279463, BF210737, AV742989, AA568387, AI201806, AW768247, AA526697, AW08A218, AV712368, BE385906, BF239254, AW731911, BF035862, W05113, BF184184, AW95523, BF686583, BE314818, BE273317, AW970035, AW970026, BE298305, BF025789, AU122825, AV645751, BE384271, BE885115, BE735322, BE274738, AI626023, AA315135, AI417313, BF983625, BE906981, BE880936, BG035931, AA642788, AW192600, AW102964, BE252941, BE312467, BF949657, BE719070, AA894481, AA737308, AU122918, AA872663, H93685, AI440105, BF245202, AV758831, AI187012, AA829129, BF238782, BF978001, AA609288, BF037764, AA760958, BE697121, BE409754, BE877422, AW951759, BF026394, AI187043, BF729053, AA448150, AV714599, AI205981, N94451, R77045, BF210261, BE697128, AW514708, BF215823, AI187001, AA578537, BE878700, AA181352, R76883, B20456, AI219168, AI183992, AA614765, AA738347, AA708433, F29053, BF212130, AI984516, BF211261, BE733706, BG107033, BF207675, AA492189, AI869280, R83917, W30797, AA50328Z, AA781308, BF247001, AI301663, BF673951, AV744514, AA782226, AA448007, H94367, AA771978, AA844201, AA134082, AA984517, AA782267, AA843941, BE259316, AA928994, AI205979, BE939608, AA732966, BF125305, AA508863, AA349148, AW514216, AW16I501, BE218574, AI815573, AW513129, AI816249, AI027040, AA962040, AA373789, AI336883, AA081960, AW082030, M36647, Y00764, 361826, and AI122001.
HCLCX62	735	104771 6	1 - 1943	15 - 1957	AA52436B, AI696510, AI674756, BF276517, BE219922, BF115854, BF082289, BF223977, BF082295, BE709446, BF094702, AI653814, AW970760, AI493036, BF08E257, AA927734, BE709723, AI744259, AI275238, AI751752, BE179959, BE179828, AW023832, T5885G, BF086689, AI335806, AW193944, AW569786, AW387268, AA491635, AI982984, BE812093,

HNOAC93	736	1047820	15 - 858	1 - 844	AW470026, BE709567, BE539350, AI857357, T89304, BE739032, AI547028, AI675754, BE082768, BE739801, BI088073, AI445968, AW388312, AW387270, BF917173, AW385195, BE172789, BF821441, AW023717, BE737818, BE934955, AV652592, BF082269, AV652296, BE823625, BF734771, AI255016, AI144048, BE857901, AI254886, BE042127, BE926707, AB030043, and AI157473.
					AI518708, AL522090, BF348129, BE900863, BI975880, BF984731, AA524293, AU158473, AU151722, AA172255, AA778442, AW071432, AI062941, AA995288, AL041464, AI921770, AI913019, AI339531, AI375317, AW338852, AI762975, AI982701, AW001982, AW005552, AW173712, AA682389, AA703497, AW272286, AA291361, AI259320, H30144, AW002560, AI078626, AI374801, AI799670, BE326490, AA039605, AA837865, AI634266, AI811885, AA938195, AI198953, BE049418, AI337411, BF590509, AI202521, AA236830, AI376062, AW591316, BF221893, AW276I2, AI803146, BE677095, AW241544, AI671111, AA999947, AI635535, BE046926, AI380918, AI144276, AA045667, AW003959, AW57661, AI926506, BF339142, AI380249, AW050926, AI343816, AI962358, W06948, AW000771, AI986113, AI341453, R20109, AI34956, BG057782, AW316665, AI804761, I32375, AI889528, AW189035, AI273528, BF448893, AI470679, AISE2500, R83376, BE350636, AI439844, H43845, AI983302, BE465975, BE671908, AW015804, AI58272, AA658160, AI829562, AA50941, AW576624, AI492102, R43161, BG057004, Z24817, BE83929Z, AA573547, AA652859, H44678, AW023495, T3028, AI03000, N49249, BF589973, AI203037, AI968277, AA205445, AI582619, AI492974, BF000526, AI470826, BF447211, AA428059, BE645811, AI912962, H26401, AA403302, AA581617, AI675362, AI39472A, AI473131, AA569977, AI659621, AA894921, AI271700, AI969076, AI708091, AI810463, AV708568, BG152616, AI63620Z, AW168376, T31879, BF222896, BE247374, AA461344, AW796804, AA46I170, AA565451, T36184, BE96544Z, AI570375, BF823699, H26136, AI699563, AI678338, BE046814, BF823545, AA573555, AW952581, N91497, AW798340, AW300260, AA776537, R00293, AV662182, BE877215, W24212, AA579280, AW43892I, BE925445, A143291Z, AA910303, BF849610, N91964, F35064, BF038681, AI671617, BF876344, AI990681, AI141248, BE827926, R16094, BE621795, F18684, BF930781, BF876112, AL04008I, AW374653, AI867546, AA039691, BF956789, AI522211, BE938287, AH16955, BF840152, AI083775, BE764993, BG106099, BE180909, AA627941, BF690240, BF690244, AI586962, AL121069, BE764982, BG156593, AA947649, AI969263, AK025903, AC004493, AI016091, AB016092, AK025579, AB002322, and AF201422.
HMEJA45	737	1047848	15 - 399	1 - 385	BE292722, BE311856, BE790470, AI0077190, BE934813, AL521862, BG171245, AL521861, BF033257, AF091242, AI150754, AF074331, AF173365, AF085144, AI952453, AF160504, AF009615, and AF160503.
HLDAS11	738	1047937	15 - 2247	1 - 2233.	AL527385, AI527336, AI085594, BE675424, AV648480, AI079021, AI888200, AI888205, AW571478, AW001578, AV719198, BE082789, AA411613, AU151314, AU147730,

					AV695890, AW474738, AA235006, BF591727, AI473648, AW44436, AI453775, AA976885, AI554850, AIT44678, AW66231I, AA432198, BF826164, AA41I193, AA856575, AI802375, AI240381, AI805984, NS3228, AA902517, AU153139, AU153201, AU160220, AU149981, AA633556, AW571651, AU146533, AA732554, AA398095, N73775, AV648281, AI658850, AW591720, AA693813, W03922, D81541, BG056884, AV59130S, AI269162, AU050698, AI093710, AA257980, AA87982, AA233692, AV656068, D81376, H57533, BE090253, H57534, BE08691, R32629, AV650024, AV651265, BE090262, BE089675, H72479, AI378463, AUI4307I, AI278448, DG1024, AW970707, AA356813, D80871, BF767608, AI572718, AW021225, AA381648, R71379, AA399573, BF242145, H15501, AI536017, AI291594, AA38I354, H72880, BF591732, AA768658, AW803196, AW390750, I79641, AU122030, AW98422, BF185555, R31158, T79727, AIT2714, T80069, AV696210, AA38I995, AA579383, T80891, H72158, AW98416, N66352, AA236265, AL045223, T70314, BFI16026, BE54762, BF60188, AA321074, Z41949, AA295261, BF510030, AW503123, AI619790, AW388020, BF828794, N98415, AI582180, BF896721, BG152697, AA454520, D87742, AK025122, AK025506, and AK026489.
HWMJB31	739	1048009	1 - 976	15 - 990	BE304457, BE617215, BE794425, BF744311, AW41920Z, BE906071, BE409035, H38334, AII24650, BF759902, AL533012, AA300183, AA324325, AL532968, BE409065, BF923651, AA299557, BG255262, H53446, BE745967, AA337307, AA337811, AA299817, AA336805, H0706, R84598, II38499, BE617695, R89516, BE082820, BF857426, AW578650, AW361826, BF870291, AA663855, R6417, BE79676, AK024593, AX013117, M27444, AF233349, and AF233348.
HAZAA31	740	1048188	1 - 2129	15 - 2143	AL515521, AL518695, AL515714, AL515558, AL515715, AL514564, AL515894, AL516404, AL534973, AL518694, AU131173, AL515895, AL534974, AL515559, AL536049, AU130290, BE794152, AU12520, AL516317, BE733098, AU12502, BE746923, BE794981, BE791638, BE731397, AU13073, AI18253, AU143550, BG023902, BE744896, AL516316, BE531024, AU14578, AU12597I, BF792516, AU138955, BE616473, BE729421, AU125450, BE615200, BE615543, BE563848, AU125003, BE275254, AU131011, BE728018, BE869056, BG035448, AU142978, BF527447, BE789624, BF340883, AU131096, BG024796, BG177633, AU126508, BG109742, BF530968, BF984286, BE615009, AU123237, BE786106, BE731315, AW166145, BG034286, BE896158, BE782098, BF341031, BE543473, BE274751, BE735992, BE734587, BE744172, BE271218, BE869393, AU143024, BE869793, BG029911, BE876396, AU141457, BE614701, BE869741, BE614465, BG115206, AI476768, AU125005, BF797789, BE614982, AU125950, BF970334, AI625268, AU136128, BF970691, BE901014, BF026355, BE618475, BE276036, BE676167, BE616881, BF779338, BG115054, AL51520, BF720604, AU121965, BF024079, BE869898, AU125968, BE617234, BE781881, BG105890, BE336933, BE273463, AW076037, AF79038, BG176859, BE89219I, BE513174, BE397646, AU141603, BG108066, BB673534, BE619328, BF982855, BF569494, BB880193, AU142767, BE546811, BE257373.

AU141109, BG039903, BE868662, BE251831, BG028919, BF981033, BE542904, BE872784, BG116865, BE396649, AU141666, BG030818, AL534029, BE785400, BF183010, BE409019, AU129778, BE871920, AU120301, BE789804, AW006207, BE887026, BE513936, BF526694, BE729696, BE546759, AW166818, BE384449, BF125366, BF982339, AU127536, BE884439, BE384228, BE888681, AA918153, AA401829, BE793518, BE261909, BE261086, AW328489, BE545367, BE270074, BG252271, AU131824, BE311187, BE301301, BF691757, BE867766, BE786130, BE616680, BG170609, BG120079, BE465573, BF530135, BE540795, BG031241, BG255541, BE883615, BE549332, AA576732, BE788731, AW467975, BG122082, AW073925, BE894664, BG035513, BE545226, BE548744, BF026528, BG114923, AW170136, BE542358, BF796830, AI571741, BE614477, AW467237, BE615090, BE895634, AU133665, BE878951, BE221317, AL536048, AA48671, BB910415, AA173087, BE614925, AW239520, BF691519, AW239235, BE613859, BE740522, AA293660, AU126194, BE252807, AW440952, AL567736, BG177861, BE787660, BE892362, AW161166, BE125980, AU139187, BG034736, BE869994, BE543505, BE867425, BF570128, AU149114, BF529384, BF736509, AW467532, BE259323, BF983758, BE741860, AW401516, AA486054, AU150557, BE018830, AI922907, AL569478, BF206585, AU149524, U55017, X67688, L12711, L09256, AF195533, U05809, DI7222, U90889, Z49258, A74840, AP026816, AK000486, AL359622, AF087943, I89947, I48978, AK026462, AK026480, AL122050, AF111851, AK024538, AP026124, A08916, AF130099, AF057300, AF057299, AI048954, AF242189, AL050277, A08913, AR013797, AR079032, AF177401, AL442082, A08910, A08909, AF314091, AF116691, AF097996, I48979, AR038969, AF111112, AK026927, AX027129, A65341, I33392, AL049314, AF119909, AL117457, I89931, AF017437, AR087170, A77033, A77035, AK026542, AK026744, AL359618, AK026532, AF119865, AF130059, AF090943, AF067728, AX042059, AK025339, AK026959, AF116654, AF090090, AF158248, AL110225, AK026593, AL389982, AL13752I, X63574, AL110280, I03321, AF119860, AL117460, AF090903, AF130082, AF26056, AF116631, AK026408, X82434, AL049452, AL080159, AL133565, AL133075, Y11587, AJ000997, AF183393, AX006092, AF113677, AF113699, AF130105, AK027164, AL117435, AK026534, X72889, AF091084, AF116676, Y16645, AL110196, AK000432, AL390154, AL137459, AL137538, AK025798, A93350, AL389939, E07108, AL450149, AX010492, AL050146, AL353940, S68736, AF116644, AF118094, AK025967, AR000496, AL137560, U39656, AF130075, AF125948, U00763, AB051158, AL137271, AL110221, AL353956, AL359620, Y07905, AF119875, AL137550, AK000137, AK026506, AL049464, AL133016, AL359615, U42766, AL080124, AJ012755, AL122110, AK000618, AF113019, AF119899, AK026528, AJ018014, AL050113K, AK026629, AF143723, AK025084, AK025209, AB048974, AK000083, AH052200, AF116682, J00734, AF14656S, AF090901, ALI22093, AF056191, AL133560, U35846, X96540, AF003737, AF113690, AL049466, AB048964, AB048953, AK026526, AL133640, AF25424, AK025414, AF079765, AK027204, AK025491,

HCMCM83	741	1048300	1 - 2694	15 - 2708
				AK025632, AFI16646, AFI13013, Y14314, E00617, E00711, E00778, U80742, AK011880, AF078844, AX026824, AX026823, A58524, A58523, AK024524, AL162083, AK027096, AL049283, AL050024, Y11254, Z82022, AL137648, AL137557, AK000445, AFI16610, AB050050, AL050108, AX019230, AB019565, AL133104, AL137557, AK000445, AFI16610, AB050050, ABO47904, AFI06827, AL117585, AK025573, AFI38087, AFI11847, AF321617, A08912, AI2297, AL133606, AL122121, AL137463, AL122123, AFI16688, U67958, AL049430, E02349, AFI77336, AL359583, AL133557, AFI13691, AK025524, A03736, AFI16639, X98834, AF230496, AFI75983, AR038854, AFI19883, AFI13694, AL137429, AB052191, AL049938, AFI18070, AK026353, X70685, Z72491, R11154, R11155, R61204, R61205, R79037, R82674, H06105, R88575, R88638, H89977, H97031, N20224, N29291, W01143, W39387, W90318, W90788, AA001026, AA001027, AA045864, AA045839, AA070190, AA070292, AA070357, AA070358, AA070481, AA070558, AA074270, AA099007, AA09084, AA100370, AA112324, AAl13133, AAl13319, AAl13419, AAl58425, AA161510, AAl71894, AAl71909, AAl72133, AAl72332, AAl73086, AAl81768, AAl82590, AAl88815, AAl88874, AAl90370, AA226831, AA232335, AA236112, AA252143, AA352493, AA602882, AA570110, AAl715356, AA729664, AA742253, AA806118, AA812288, AA824474, AA847354, AA858261, AA946720, AA954833, AA962451, AA002354, AA056476, AAl074092, N95471, W24332, N89489, AA075927, AA206265, AA204864, AA652569, AA654095, AA214690, AA219770, AA263126, AA291452, AA291572, AA293661, AA394032, AA435352, AA471144, AA479633, AA477312, AA482658, AA486529, AA486689, AA486886, AA599171, A653590, Z19810, AA677353, AA705314, AA853708, AA853700, AA076541, T10999, T11202, D19660, D29413, D29620, F02619, F06231, AAl39820, AAl43885, AAl43889, AAl43095, AAl43455, AAl93890, AI658714, AAl637537, AAl72512, AAl93334, AAl61916, AAl96992, AAl970023, AAl992269, AAl983011, AR871867, AAl872512, AAl93334, AAl69503, AW236376, AW239031, AW263447, AW172773, AW089277, AAl075799, AW169503, AW236376, AW239031, AW263447, AW172773, AW079605, AW339684, AW339732, AW449049, AW589453, and AW630993.
			AL527718, BE727092, BE277284, BE799194, BE383971, BE903316, BG255149, BG269261, AU130997, BE889222, BE409350, BF026446, AW967431, BE278876, AU127743, BE388306, BE296644, BG255006, BE292279, BF026693, AA400211, BE390589, AL037594, AU972516, AU124175, BE261560, BE277082, BE389530, AU129574, BE617885, AA400122, AL527719, BE390249, AA237058, AI92354, AW167897, AI23081, BE297995, AA582199, AU151663, BG179436, AW962854, AA236859, AU128680, BE297707, AW081352, AA599540, AA594981, AA075795, AA575741, AA490530, BE617429, AL037593, BE515229, AU190926, AH20338, AI542628, AI62317, BF464071, BE464072, AW511378, BF061878, AA620310, AI199369, BF923681, AI553839, BF568678, Z44617, AW015643, BG117314, AA311944, AW013951, AA258294, AA918784, AA708625, BE813134, AU155528, AW246032,	

HCPCS40	742	1048427	15 - 4411	BF811180, BF725206, R52991, AW137711, AA853706, BF239336, AI765578, AI263981, AI636012, AI741565, AI192535, AI318068, AI193595, AW136361, AA937515, AW007769, BE907346, AI345693, AW207818, R52992, AL53491, AI452748, AI349763, AI572849, BE908056, AA282450, AI223887, AI311522, AI311708, AI310871, AI254048, AI223509, AA601132, AI334439, AI365274, AI250579, AA601128, AI859662, BF057904, AI307099, AK022579, AK026908, AK023030, and AW58997 4.
			1 - 4397	BGI64191, ALI35185, BF983123, ALO41280, AV687584, BG250650, DE788908, AV645574, BG115164, BF342638, BF876977, AA702184, BF671348, BG248849, BF351087, AA152030, AW47133, BE539165, BF513442, AW269763, A962971, AA935874, AI150109, AI554409, AW007775, AW468469, N34238, AA890008, BG169542, AW02321, AI082758, AI922307, AI199306, AA282370, BF248155, BF374008, BE547356, AA037749, ALA41279, AI688218, N22419, AA278551, AA406318, AA152104, AI367278, AI79211, AA203606, AA258062, AL038734, ALO38733, AI080356, AA884389, AA017390, BE930063, AA661741, AI082269, AI770119, AI824725, N31270, AA421935, BF352616, AI027376, AA233026, W39547, AA911822, N25640, BF352611, AI027020, AW87608, N39100, AA911009, AA836812, AA092896, H04053, AW876064, AI002479, R55560, AA970541, AW995402, AA332109, AA686318, AA759257, BF885893, BEI77081, AA232852, AA593839, AV697997, AV695832, AI797333, R68340, AV690252, H68957, BF926234, AA485458, N22883, AV734002, AA337924, BF820595, BF920247, AV694870, BF820597, AA384849, W44899, AW241214, H65584, H03366, ZI9311, R67924, R55321, T67446, AW243674, BE048922, N70432, AA017389, AW876067, BF759974, R68246, T96801, T96685, AV696911, AW965295, AW876091, BF927515, BF820591, AA376097, BF763395, AA236633, AA994146, AA336479, R36914, BF858626, BF755224, F00568, N48457, AA283020, AA094925, BF735336, T69479, BE714862, BF126700, AW103805, AW799660, BF924148, BEI65021, BE542967, BEI61951, AX013176, and AC009778.
HVCAA65	743	1048595	15 - 1145	AL521488, BE794903, AL521487, BE563319, BF311687, BF663325, BF316035, BF992207, BE379400, BE733903, BF669940, BE379536, BG177397, BF663800, BF741051, BF971998, BE729168, BE736783, BF973389, BE745021, BE909578, BE733626, AI60852, BG248225, BE901526, BF97412, BE795026, BGI19307, AI417797, BF032519, BE787609, BE535312, BF308375, BE379943, BE897445, BE515175, BF982093, BG034587, BG031389, AI884769, BE873096, AW189946, BE407248, BF439454, AI884696, BE735464, BE265534, BF033418, BGI64975, AA77721, BE383460, AW46729, BE892125, BF685536, AA88993, BE410832, BE254532, BI262168, AW964964, BE892835, AW001586, BE536855, BE736274, BE222590, AI224897, BE907203, BE395007, BF432624, AA521312, BE251359, BE620472, AI394546, BE620877, BG25616, AI018808, AA520988, AI951973, BE235086, AI301892, BE392541, BF382865, AW247221, BE545214, AA866196, BE302496, AA594969, AI015226, BE790135, BG112878, AW246255, AI457658, AW709367, BE207409, AI680866, AI185022, AW410905,
			1 - 1131	

AI690730, AI560911, BFI95109, BE26186, AI222862, BF035000, AA143013, AA488438, AI421154, AI083562, AI161051, AA057650, BE266339, AI313489, BG171300, AW104028, BE540945, AW277029, BFI83035, BFI05180, AI204496, AA313677, AA622487, AW273003, AW410906, AA528430, AI340992, AW327332, AA488577, N57245, AI971897, AI340988, BE541318, AA489382, AA902989, AI373803, BF977175, AA436879, AW248218, BE501676, AI292198, AI955515, AW247195, BE313415, AW270773, AA622566, AL036091, AI909916, AI088015, AA632301, AI954852, AA863149, BE219651, BF308925, AI143992, AI908146, AA642561, AA614713, BF940137, AA579742, BF246773, AI312532, AI423111, AI952626, T7379, AV755109, BF245643, AA448704, AA631690, AI318295, BE407483, BG032474, AW087564, BF439703, AA130011, AV733488, AA147328, AA631651, AA630694, AW265162, AW270774, AV762575, AI752067, AA194577, BF130181, BF217755, AI318565, AA226086, AA908534, BF673369, BF687858, AA148572, AA478075, AA009636, AA908531, BE378128, AA764730, N29828, AV760946, AA974940, AA48944I, BFI07488, BF029771, AA873031, AI952403, BE866319, BE547613, AW510470, AA737355, BE566152, AA225892, BF701037, AV762201, AW169105, BE973655, AA308829, AI718050, AA621098, N80196, BF038179, AI186576, AA477620, AA316951, AI089837, W45392, BE835594, AA309223, AA312263, AI343866, AA824657, BF239001, AW327651, AI752068, AA953064, N80864, BE182893, AA151118, BG057355, BE395471, BE743044, AA317503, BF240208, T64208, BF663602, BF237904, BF572688, AI240262, BF799774, AA194701, AA219257, BE539596, AA150197, AA635881, BE566052, AR062121, AF054185, AF022815, AR036383, AL078633, D30804, AF019662, U09226, AFI30109, X61970, AL050146, I89947, X87582, AL049938, AFI19899, AK026462, U35846, AFI30082, AL133640, AL137482, AF090903, Y14314, AFI30104, AFI30110, AL137271, AF087943, A08913, ALI21656, AFI30105, AFI16682, I48978, Z82022, ALI10280, AR038854, AF090900, A08916, A08910, A08909, AL389982, AK024538, AFI30100, AFI83393, AFI16602, AFI16646, ALI37750, ALI33560, A77033, A77035, AX040974, ALI37533, ALI37527, AK026744, A08912, AFI16644, I89931, AK025383, AF242189, Y09972, AL353956, ALI17435, ALI22049, AK024588, AFI30055, AR087170, AK026642, AFI19871, ALI17583, AK026762, ALI62062, AFI30099, AFI17401, AK027164, ALI33072, AL389939, AL080124, ALI62002, AFI13677, X65873, A65341, AK026542, AK026528, AFI11851, ALI33016, AK026551, ALI22110, ALI73019, AK026480, AK025798, AK026993, AL353940, ALI22121, I48979, AK025414, AK025092, AFI85576, ALI37521, ALI37557, ALI33080, AR050510, AK026164, AK000323, ALI33077, AK026816, X82434, AL080159, I33392, AL050149, AK025484, AL442082, ALI37480, I26207, AL359941, AR048953, AFI19878, AF217987, S78214, AL050277, AL080148, X63574, AF008439, AR019565, AFI16691, AK027113, AFI32205, E02349, AL359596, AX045627, AFI11847, AK027204, AK025927, AFI16631, ALI22118, AI012755, AFI13694, AX040958, AB051158, Y11587, F04233, AL049382, AB048919, AK025084, AK027160, U96683,

					AL050138, AF271350, AL137476, AF116676, AR083266, AK025339, AK026506, AF260566, AF230496, E07361, AF091084, AB052191, AF218031, AL390154, AF116654, AL117460, AK026630, AK025632, AK025312, AF175983, AK025524, A03736, AF155148, AK026408, AK024524, AF116688, AF118094, AF119875, AJ299431, E15569, AJ238278, A93150, AL133075, AL117457, AB052200, AX010492, AK026865, AL049430, AL389935, AR011880, Z72491, AL133081, AK026741, AK026784, AK000083, AF153205, AF155221, AF116649, AL359620, U80742, AF099901, Y07905, AL050393, AF106862, AF090934, AL049452, AJ000937, AK027116, AX019230, AK025772, AF13077, AL133113, U42766, U58996, AF314091, AX026824, AX024823, A58524, A58523, AK026464, AL137526, E06743, AK024992, AK027096, AL122050, AL080074, AK026045, AF225424, AR070212, AL359583, AB048954, AL137538, X84990, AL117585, AF026124, AL359601, AL110221, AF162270, AK026855, AL122093, AL137292, AL122123, X72889, AF130066, 03321, T64397, T73886, H30403, H88512, H88550, N22079, AA009910, AA057747, AA130010, AA143332, AA143203, AA151189, AA151190, AA149027, AA149028, AA190632, AA191161, AA45678, AA459800, AA528411, AA533960, AA635898, AA664865, AA856709, AA91383, N56485, C00840, AA219498, AA219499, AA442637, AA448703, AA719478, AA74118, I23089, AI352380, AI685499, AI695709, AI798306, AI798387, AI873973, AI914791, and AW272968.
HSPSI76	744	104863 5	1-1565	15-1579	AL529145, AU133429, BE867986, BG252333, BE271706, BE740302, AU117989, AU120241, AU122034, BE271984, BF203856, BE867492, AU13705, BF303688, BF307688, AI752379, BF244400, AW886218, AW886128, BE833911, BE299053, AI278609, BE368368, AI457850, AA187381, BE742959, AW886280, AW239196, BF923339, AA121094, BE833947, BF869810, AA29366, T76935, BF770427, R21366, BF508501, F13103, BF370227, AA375513, BE909941, AW886183, BF868618, AW177718, W48584, BF053356, AA931695, AA634901, N42517, AW754090, BE244022, W81160, AW089800, U90441, A87005, U16163, L81778, AC000960, AC063976, L81779, L81775, L77044, L81777, AC002195, and L81780.
HVVCH35	745	104865 8	1-1309	15-1323	AI719545, BF116178, BG248226, BE886380, AW024407, AW081534, BF207082, AW003531, AL044449, BG256096, BE538221, AI885407, BE784939, AI553796, AA613650, AW246550, A921772, AI673517, AW082921, AI41717B, AA490655, AI340075, AJ214250, AW263806, AI560048, AA595365, AW960860, AA580265, AW872780, AI360297, AI870293, AI829934, BF036691, AA490654, AI827461, AA857878, BE537572, AI360358, A846693, AA01318, AA374910, BE31431, AI18298, BE837126, A085813, AI376538, I27782, BG007963, AW135529, T07218, AA948279, AW074629, AA568231, AI910140, AI294017, AI994449, AW248341, AI953262, AA832012, BF51306, AA297016, AI423518, BF529929, BF244493, AA906871, BE88493, AI383030, AW150846, T30682, AI40575, AW025214, AA001905, AW407144, AW248342, C01279, AW152182, BG181066, AW149925, AI619502, AI691767,

AI569583, BF814408, BF904265, AI677796, AA449768, AA833760, BF814450, AI561356,
AI537261, AI309306, AI47451, AW025279, AI863321, AI569328, AI671679, AI560545,
AI633125, BF812961, AI273836, BF970652, AI54821, AI543611, AI433157, AI702073,
AI868204, AI365256, AW151136, AI041772, BF812938, AI677824, AW243886, AI580436,
AI309589, BF814453, AW118518, AI355849, AW082623, AW104827, BF876588, AI636719,
AW084425, AI719817, AI524179, BF724894, AI249877, AI282355, BF724198, AI863382,
AI446809, AI439762, AI912434, AI932949, AA857847, AI920835, AW088560, AI869869,
AI089782, AI500714, AI610307, AI538564, AI798456, AI783861, AI433590, AI568138,
AI582871, AI624293, AI619607, BF811804, AW263796, AW078720, AI445992, AI583085,
BG163623, AW128841, AI514627, AI513807, AI862139, AI798303, AI684013, AW129597,
AI591420, AI609375, AI625464, N99088, AI07992, AI367210, AI472566, AI537837,
AI874189, AI799674, AI680498, AI515321, AI366090, AI536638, AA848053, AI476046,
AI422985, AI560683, AI884318, AI514455, AI434468, AI357940, AI961589, AI959906,
AI513977, AI564719, AI609196, AI432040, AW054964, AI538716, AI863191, AI570989,
AI367203, AI886415, BF812960, AW073270, BG027628, AW170725, AI570169, AI281762,
AI871709, AW263569, AI567351, AI167353, AW072588, AW104724, AI915534, AW088698,
AW193236, AI669639, AI624548, AI539808, AW129036, AW087207, AI915291, AI978703,
AI336754, AI888621, AI557074, AI040011, AA908294, AI579901, AI432030, AI648408,
AW105412, AI247293, AI863466, AI926790, BE963990, AW075667, AW051059, AI513643,
AI499463, AI679098, AI469112, AW024594, AI285735, AI514357, AW949432, AW129271,
AI493567, AI559632, AI331104, AI57643, AI717385, AI021683, U62317, AI113694,
AF13082, AI25084, AB044547, I33392, AF116602, AK026630, AI162062, AF130059,
ACO23880, AK000083, AB052191, AK025015, AK025573, AI137523, AB038669, AI050155,
I89947, AK025084, AK000636, AI389935, AX020124, AK024588, AK026793, AK026959,
AI137555, AI13054, AF061981, AX040974, AI442083, AF218031, AB049758, AF119843,
I48978, AI137529, I00734, AR038854, AF119875, AF113019, AI133637, AK026045,
AI38939, AJ08913, S77771, AF185576, AI117435, AK024546, AI18777, AJ08912, AI136984,
AI359615, AL080074, AF055917, AL139099, U35846, AI049464, AK027129, AI137459,
AI117587, M92439, S76508, AK026462, AK026534, AI122049, AI110197, I17544,
AK025798, AK000323, A08910, A08909, AI133665, Z82022, AX045627, AB050431,
AI359620, AF113690, E00617, E00717, E00778, AF14233, AI049314, AF119996, AI08908,
AI047631, AI137574, D55641, A08916, I66342, AF057300, AF057299, AK024978,
AF130058, AK026547, AK026894, AI389951, AI137276, AP001746, AI049430, AR034182,
AF116650, AF182215, AF067790, Y10823, AC006994, AK025431, AU095901, AK025632,
U49908, AI137480, AI162002, AR013797, X82434, AI137557, A65340, AI137271,
AL359596, AK027146, AF177401, AI032264, AC01502, AI080126, AI359618, AK027096,
AK026528, AF262032, AK026057, AF217987, AC009484, AF079763, AI116688, AI137479,

HGFN166	746	108739	1 - 1445	15 - 1459	I89931, AL049938, Y10936, AK024986, AK026613, AL353802, AL389982, AL133098, AL353625, I89934, AL117648, AR087170, AF130066, A08907, AR083266, A86538, AL137478, A76335, AK027160, AK025092, A9350, AL191646, AK010492, S68736, A27171, AF110640, AL121656, AF267991, I30339, I30334, AL110171, AK025119, AK024594, AR020905, AL049283, AK024747, AB050510, AL035407, M27260, AF205861, AK025113, AB025103, AL353956, AB049892, AL137521, AI006417, AL137476, AL121916, AL080060, AFI11112, A21103, AK026408, AF115013, AK025491, AF090943, AL357195, AX015915, A6S341, U67958, A77033, A77035, AB050410, AF141289, 2I3966, AK026744, AFI83393, E06743, AL122098, AK026649, AF132730, AK000250, AL117583, AF254119, AL035458, XS6039, AF267849, AF056191, ALI33072, 297214, AF207750, AL049300, AF119899, AF159141, Y11254, A225424, AF203473, AK026791, AK026746, AF217982, AK027200, AK026927, AF260566, ALI17440, AK025647, AF260436, AK000450, AK02458, AR083279, AL122110, AFI18092, AL080159, AF090896, AK025309, AX019230, AL162006, AK025375, AF158248, AL133568, U42766, and AI422565. AL530216, AL521109, AU142923, AU124020, BE620897, AL530217, AU139055, BE614285, BG249413, AU117715, BF791855, BF792043, BE905897, AI497784, AU079885, AI627724, BG115303, AU136535, AW027189, AI161162, BE620496, BF238205, BF793082, BG115364, BF674174, BF211375, AV655959, AI755104, BE873639, BE274185, BF978983, BG024148, BE990026, BE909886, BE613569, BE179535, BG165236, BE709660, BF027043, BE255543, BF211390, BF671615, AI853895, BE382569, AI858089, BF698299, BF874668, AW03647, BF679395, BF130367, BE872201, BE564380, BF668512, BE586397, BF668410, BF530535, BF696552, AA88140, BF031198, AA308340, BF668978, BE709627, BE903870, W63800, BF97812, BF672839, AV701080, BF184137, AI299948, AL047241, BF665241, BF184254, AW949833, BF027849, BF209984, BF698050, AW381010, BE179583, BE710076, AU128945, BE240933, BG057708, BF184002, BE886398, BE018338, BF668825, AI609570, BE865979, AI269439, AA541733, BE179848, AU151158, AW173704, BE179837, BF575945, W56342, BE880225, AA400690, BE958179, BF184743, AL048187, AI424970, AA907800, AI637570, BF677814, BF698677, N25016, BE961148, BF243189, BE301821, AI128409, AA455688, BF977839, BF675341, BF206562, BF110242, AI347125, AU160114, BF381932, BF028808, AU157870, BF030745, BE179773, AI309277, AU156768, AI342535, W31858, AI697500, BF132213, BF107247, W37254, AZ79003, AA043048, AI284914, AA308417, BE709419, BF214757, AW194139, AW630565, AA316857, AI738894, N31020, BE709376, I98801, AW381028, AW080729, N29020, AI285055, AW265113, AI281272, AA042809, BE180002, BF209075, AA455635, BF030408, AA677062, BE179396, AI188237, BF669378, BF709506, AA065138, AI677690, BE709422, BE180004, N20648, AA630049, BF214514, AA625708, AI697336, BF477504, AA738269, AA984024, AA506758, AW304756, AW16326, AA299638, BE709796, AI886825, BE709521, BF209013, W03507, W39286, AI051020, BE241819.

HMSKI90	747	104879 2	1 - 3315	15 - 3329	BF356403, AA130514, H02702, AW152192, AA854551, H77510, AI695708, AA487265, AA569433, BF710494, H77509, AA890412, N24166, AA610169, N42005, AA960846, N36200, AA969847, AA055865, H48297, AA130513, AA328490, R42574, AA781515, AA970090, N46318, AA507513, F07656, BEI79658, AA487382, AA053604, AA373036, AV690998, AW117664, AW167970, T82241, N35826, AA865894, H89884, AW818489, AA320607, W05166, AW609408, AW390954, BF697233, AW391022, AA471215, AI538254, AW390996, AI675560, AW391188, AU144474, AV739409, AI858727, AA303267, AW609404, N47736, AW390966, AW379156, BE968703, BF445548, R1870, BE241420, AW391201, AW390947, T29698, D1465B, U12687, D17239, L38950, R05830, R25454, R37993, R37994, II02604, R99992, II89883, N30283, N75962, W33188, AA055813, AA523646, AA531125, AA551434, AA865168, R29515, AA400525, I26334, AA860432, D25733, F02468, F06190, F03906, AA273154, AA276426, AD76427, AI218400, AI933735, AW026942, AW051239, and AW613788. AV719955, BF346320, BE796439, AU040921, AL042905, BI538259, AL135377, AV714931, AL042906, BE541237, AV750046, AV764490, BG032943, AU119532, AV761286, AA330079, AV756726, AW600804, BF826830, BG028665, AW963982, AA577824, AV719941, AU157011, AV760723, BF850080, BF805173, AI054414, AV699393, BE067011, AV700663, BF828714, BF960390, AV764201, BE297356, BF917486, BF87683, BF982222, AW243793, AI791227, AA742815, AW965008, BF901147, AA487475, AI457389, AI061646, AV710705, AI133516, AV71B718, BG056362, AA126635, AV722075, BE676158, AA736713, AV719226, BG260565, BG171097, AU117926, BF670792, AU148007, BE867712, AL044282, AI016192, AL041706, AV963473, T07254, AL042310, AA640277, BE883679, AC005066, AL158167, AF067844, AL109759, Z98036, AC007198, AL009051, AL360227, AL138478, AL161804, Z73417, AL049650, AL133163, AC011362, AF198097, AP00255, AC004847, AC018755, AL138812, AL133500, AP001720, AC004448, AL049870, AL132988, AC012467, AL022318, AL358372, AL138783, AC016644, Z99496, AC009169, AC027312, AL121933, AL132708, AC010186, AL121984, AL137793, AL161422, AC020717, AC006334, AL163248, AL022147, AC008701, AL133405, AC007207, AC002981, AC006511, AL035661, AL035411, AC026371, AP001688, AL139395, AC005062, AC004898, AC008083, AL121895, AL031432, AC005252, AL080316, AC006441, AL135783, AC012596, AC001231, AC004609, AC055736, AC019226, AC008555, AL031673, AL034400, AL158141, Z93023, AL020994, AC008551, AL139109, AC000085, AC007151, AL135932, AC006461, AC007385, Z84480, AL035703, AC000414, AC009501, AL031115, AC005280, AL136303, AP002898, AL445189, AL136531, AC009455, AC005901, AL110502, AC004981, AL031287, AC008163, AL034207, AL121574, AL109854, AL078477, AL161627, AL133548, AC019106, AC073934, AC011310, AL031054, AL137000, AC009039, AL162811, AC009484, AC007365, AL137072, AC006205, AC018637, AP001747, AP001716, AC005840, AC005702, AL136097, AL136997, AL050321, AF227510, AC005064, AL049712,

HSYBJ49	748	104915 1	1 - 1181	15 - 1195	AL353804, Z93015, AP000350, AB017602, AP001627, AC007919, AC068139, AP001708, AL356115, AC020908, AC004021, AC004835, AC005003, AC007597, AC010609, AL139382, AL139396, AB016897, AL133244, AL163218, AL133744, AL121900, AC015971, AC022307, AC005859, AL138759, AL158196, Z98172, AC009502, AP001718, AL049831, AC011604, AL023280, AC010748, AL163301, AF111168, AC006504, AL049874, AC023275, AC006345, AL033533, AC006011, AL121585, AC003950, AL121932, AC007000, AL117344, AC010632, AL162430, AC016950, AC022103, AL133245, AL033422, AL359272, AC004884, AF130343, AL354942, AB045364, AC012085, AL160234, AC016925, AL353633, AL357153, AC012064, AC004650, AF240628, AC005386, AC007684, AC009302, AL158828, AP001728, AL109627, AC007842, AL138919, AL022163, AE000659, AL136090, AC008651, AI400877, AC005538, AC003029, AL022575, AL132990, AC003098, AL009178, AC024947, AL137818, AL391384, AL049646, AC005164, AC007954, AC010150, AC005037, AI246003, U95743, AC009481, AC005996, Z99129, AL136454, AL031012, AL135841, AL109797, AC006330, AL031311, AC026704, AL121581, AL133453, AC005201, AL392106, AL158040, AC005412, AL079304, AC068713, AC006479, AU011930, AC084693, AL137074, AL158033, AP002022, U96629, and AL353133.
				15 - 1195	BP971178, AI801638, AW060418, AW089881, AA484795, AI700113, AI452474, AI220875, BF747974, H03348, BE161880, AW607780, T79392, AA305424, AI392810, AA375432, AW366425, AW753216, H95562, AI950113, H04030, AA375883, AW064468, AW975618, AW966389, AW966330, AW949645, D59859, CI4331, AW359570, AV724520, AW964532, CI4429, AF134160, AF101051, AF115546, AF072127, AX047063, A62298, A62300, AR018138, A84916, AX047064, Y17188, AX033851, AX047062, A82595, AR070327, AJ132110, AX027925, AR008278, AF058696, AB028859, AR087649, Y17187, AI302649, AX021518, X67155, D26022, AX035434, A25909, A45456, AX028130, Y12724, AX020191, A67220, D89785, A78862, D34614, AX020190, A060385, X82626, D88547, A94995, AR077702, AR008277, AR008281, AB002449, AR025207, AR062872, AR008443, A30438, I5026, I50132, I50128, I50133, X68127, AI294956, AR066448, AR016514, AR066013, A26615, AR052274, AF266572, AR074139, Y09669, A43192, A43190, AR033669, X64588, AR066487, AR074136, AR074545, AB012117, I14842, AR066490, AR054175, AX015396, D50010, U79457, AR016691, AI010690, U46128, I18367, A63261, A287395, A85396, AR074141, D88507, AR066482, A44171, AR088705, AR008408, AR091537, A85477, I19525, A86792, A70867, AX042372, AR093385, X93549, AR092424, I79511, D13509, A64136, A68321, AR060103, AR060382, AF122363, AR032065, and AR008382.
HTXSN37	749	104937 2	1 - 4778	15 - 4792	AL519559, AL519558, AL527064, AL529172, BF526686, BG028577, AW361267, BF968057, AW224232, AI140620, AW511249, AW963605, AI718250, BG251031, AW003986, BE502055, BI734351, BE895620, BG034822, AW962766, AV682376, AI94091, AL527023, BF545462, BF433041, AW262697, AI949518, BE408503, AW298082, AW977283.

AW082204, AAS27455, BF126108, BE047192, BE348571, AI819847, AW965877, BE151092, BF523630, AI193155, AW160263, AI769585, AI671757, BE384145, AI433527, AW956849, BF939620, BE552133, AI671990, AT63239, AI860193, AI279454, AW937038, A1042052, AI521160, BE676547, BF510750, AW006521, AI924606, BF674490, AA053844, BF223252, AI266285, AI912365, AA52416.3, AI804067, BE884974, AI334313, AI279527, BG104489, BE279715, AI75240, AA053719, AI218336, AI818022, AA058858, AI656751, BE995994, AV719385, AI990454, AI568347, AI439610, AI160838, AW088569, W73718, AT743577, BE408853, AI273437, AW452700, BE960728, BF380468, AI581352, AA572790, AI088546, AI087359, AW090077, BE048478, BF105172, BR448464, AI673463, AI921966, AI188696, AI457260, BF695970, BE350683, AW027995, AI692423, AI424032, AI804361, AI401476, BG259137, BE675514, AW151528, BG106929, AI146842, N73222, AI951202, AW613062, AI499321, AI336772, BF432191, AA166696, AI523679, H43120, BF513780, AW236608, AI829416, AI222959, AI761089, AI656354, BF000827, AW117620, AI760871, AI056588, AI500715, AI149944, AI147716, BE467114, AI082023, BG257825, AW370446, AI589816, AA521124, AI128548, AI760083, AV717183, N51337, AI890678, AI42565, AV712720, AA323336, AW149607, AI143287, AI274228, AW013974, AA262299, AW19285.2, AW272236, BF875790, BF575100, AA766290, BE219267, AI479220, BF594752, AW403882, AI000020, BF594753, AA995039, AA088192, AA427656, BE246071, AI983306, AI357680, AA291978, BF875881, BE790218, AW117791, AI082000, AW295416, AA16680.1, AW293845, N51119, AI469660, AW408718, BF677632, AW293840, AA059471, T34424, AI538286, BE220291, W03226, AI480310, AI741322, AI342687, BE220292, BF806930, AI150809, AI681162, AI336773, AI427657, T86777, AV727289, AA811637, AA676686, AI375786, AI916159, AI800128, AI224613, AA157527, AW62823, BE715065, AI291683, BE714996, R79928, BF115540, AA812761, BE715011, AA95820, AI817334, AW204296, AW469732, AA056709, AW302352, D53008, AA156488, AI493409, AA857070, BF941732, AW510733, AA743578, AA358743, AW513112, AI473269, AI948728, AI568668, AV721067, BE831165, K69737, AW591066, A1041426, AW378587, R56318, AA297882, BE831161, N53038, AW138669, BF887676, AI298747, H12687, AL080159, AL035458, AL050149, AL359620, AJ012755, AL357195, AK000432, AK026155, AL050155, AF030513, AK026045, AC006039, AC012077, AL353935, AL162083, AC026888, AF090900, AR083283, AI713694, AL049426, Y10655, AK026630, AL389982, AL137523, AL137656, AK024978, AK026408, AF090923, AF090901, AL356015, AB049892, AF054599, AC007383, AK000083, J48978, AF130066, I89947, AK025119, AL133069, AF044221, AC008897, AK027204, I66342, AL121656, AC008407, AL212208, I09499, AL122121, AK025391, AI08913, AL117460, AF109906, Z82022, AK026927, AF130055, AK000603, AF130059, AK025798, AL133099, Y10080, AL137459, AL359615, Y00093, AL050393, AB041801, AL353957, AF116602, AK026741, AL049423, AF076464, AC007172, U72620, AF15221, U58996, AF119909,

HMUBT31	750	104946 6	1 - 2784	15 - 2798	

AF177401, AF130104, A08910, AK026600, AF116631, ALI33560, A08909, ALI33067, AF119899, AF111849, AF090903, A12297, AC006112, AC012502, ALI38939, AK026593, AL35994I, AF116609, ALO49430, AF159148, AC004797, AK000323, Y13350, AK026462, AR050959, ALI10159, AC006373, ALI37298, AB052191, A77033, A77035, ALO49452, ALO21391, ALI37281, ALO96728, AR038854, AF140224, ALI10262, ALI21601, AK024992, AF151074, AK000618, A08912, ALI37273, AF019298, I89931, X82434, AR013797, YO09972, AF111847, I00734, AF130110, AF118090, AK000718, AR087170, YO8864, ALO50280, AF153205, U79523, ALO96744, ALI56747, E00617, E00778, ALI44282, AF287051, AR011880, AC069550, AC009953, E08631, AK026647, AF000520, AT017437, A08908, AK027006, AC006313, AB048974, AB016226, AF130054, AK026434, ALO80140, AF119875, A08916, ALI37550, AK000653, ALI36535, ALI10225, AFI16682, ALO49314, A21625, AF217966, AFI10640, AR079763, AC010879, ALI22118, AX026824, AX026823, A58524, A58523, ALI58196, AFI11112, ALI22110, AB038698, ALO49283, I33392, AK026642, AK025339, I46765, AK025414, AF120068, AFI19860, A93350, AF207751, AI06039, AX010492, AK023465, ALI62062, ALI37480, I48979, AF171061, AK024588, U83980, A65341, A000957, ALI37271, AFI16654, AK027182, ALI17585, AB007812, AF130077, AL353940, AC004808, AR068466, AL389935, AF106862, AB047904, ALI61802, AC009079, AF130105, ALI36884, ALI37283, S36676, ALI62008, ALO49382, I17767, AF18393, ALO80162, ALI33075, AF130082, U78325, ALI57482, AX015915, ALO80118, ALO78630, ALO49465, S61953, AL38993, TS8084, T63380, T63523, T68169, T87738, T87739, T67646, R08643, R08739, R11366, R00813, R01469, R14864, R47831, R54908, R64209, R71585, R71584, I80016, R81690, H12634, H15761, H42350, H53072, H53176, H70211, H70216, H70470, HR5031, H85648, H87759, H87808, N54240, N66982, N91891, W01899, W02293, W05626, W24629, AA01397, AA017397, AA019194, AA019279, AA053184, AA056525, AA058365, AA134218, AA134219, AA279254, AA502452, AA503041, AA555252, AA594264, AA731408, AA746977, AA764910, AA765555, AA83456, AA856857, AA857555, AA916048, AA923605, AA983615, N55722, AA648091, D12249, D12256, AA598781, AA666212, AA629711, AA897464, AA905358, AA90513, I7371, AA934871, AI041430, F04358, F09025, AI262678, AI283362, AI368587, AI472695, AI553641, AI553667, AI658569, AI619956, AI744804, AI817999, AI824228, AI872743, AI803758, AI804922, AI815007, AI915051, AI926627, AI985315, AW080455, AW080516, AW029141, AW086064, AW273584, AW467862, AW470315, and AW470382.

AI59514, AI117125, AI141494, AI138413, A065140, AU138493, AU138619, AU137502, BE866979, AW749876, AI065091, AI128037, AW749892, B1971017, N99167, BF212188, AU12304, BF094612, AW074136, AW073330, AI434820, AW966409, AW272690, BF888339, AI129573, BE315555, AU127159, BF110128, BF888340, BE292259, AW119058, AI521964, AA488588, BF970200, BF207886, AL046614, AI261605, AA424119, BE467152,

| HFPDO90 | 751 | 10496 4 | 1 - 798 | N44937, BF028955, bF542138, AI392655, W96011, AI760337, BF031220, AW637758, AI263876, BF208239, AV748098, AW630791, AW439919, BE327089, AW062523, BF752780, BF573491, AA488447, AA424091, AA90a722, AW027868, AW99950, AU128705, AW960350, AA035416, BE877698, W94865, AA973574, AI089675, AW514578, AI269059, AY652740, BE327860, AI242304, AV652727, AU129125, AW197336, BF218980, N52717, AA206043, AW513973, AI239744, AW383413, AI263472, AI269066, R15433, BF094871, AY660720, AW614200, AAl73903, AI288434, AA424033, AA424050, T17474, AA773457, AW960556, BE244048, R63771, AI247291, H01975, AA627505, BE242968, AI634636, BE005276, H06927, AV747574, BE242881, AW190425, BG057994, AI985480, BE831748, AA079108, AI393621, R82434, R26887, AA346625, AV747881, H02067, R16173, BF094438, F12317, AI803761, AA304528, AI869053, AI570330, R27119, BF802022, T35317, AA634820, AW072973, BF744360, BF802054, BF802266, BF808567, BF802011, BF802053, C00451, BF801642, BF801596, AW938565, BF803025, BF805863, AA485708, AW938561, BF802057, AA483841, BF802041, BF802055, AW673121, AA173706, BF802009, BF801997, AA035415, AW953055, BF801588, BF805877, BF801587, BF805847, AV763513, R28251, R82435, BF801632, BF801616, BF802047, T39740, BF094776, BF801635, AA714380, AA079147, T39665, BF808562, BG114647, R34049, AA82875, BF983166, T32673, T40713, T40703, BF950257, C75274, T40723, AA76641, BF950255, BF805846, T39723, T39630, T39659, T39631, T39683, AA218758, T39647, T39674, T39624, T39714, BF950266, T40705, T40756, T24597, T39656, T40737, T40755, BF801617, BF801599, BF808546, BF930614, T11685, AA627479, BF092332, BF950258, T39707, BF061988, AA383582, AI341963, AI472587, BF805876, BF803018, BF808570, BF837426, BF805862, BF805859, BF803026, Y08635, AF004831, X95641, AF003823, AF116613, AL354751, AL117340, AL139093, AR083264, A4011l, X66862, AL133665, AF123730, AL080227, AK026528, AR015970, AB049853, A6S340, X60786, AR000496, U39656, AF162782, AL133607, AL096728, AB047627, AR016802, AK025377, T39690, T39724, T40709, T40718, T40727, T40738, and T40748. |
| | | | 15 - 812 | AA932194, AW179324, AI002307, AA663765, BE735168, AA491586, N41413, BF684301, BE407935, AA808457, BF512968, BE280480, AI299979, BE256643, AA770648, AA770650, AI343871, AW117478, AV751916, AI814515, AI299232, AA977173, AA740169, AA812938, AI494283, AA745845, AI190633, AV715190, AA843156, AA722697, AI122338, AI041107, AV753001, AI355668, F37023, AI363131, AV716996, AW005664, AA724428, AA308774, AV239094, AI084918, AA576396, AA315816, W73052, AI022229, AI266102, AA701661, BG054985, AA699317, AA84817, BG112117, AW161517, AA598700, BE382489, AA704484, AA809658, AI344352, BE386254, AA533144, AA947950, D54718, AA524092, AI709080, AW116328, BG056860, R97788, BE855958, AA707907, W81385, BF791890, BF685089, AI128584, D52875, AA114924, AI768222, BI728298, A722473, AA491874, |

HVVCB79	752	105010 2	1 - 2470	15 - 2484	AA513190, AV742910, AW161957, BE410027, I37949, N23017, AA632937, AA852096, AV716338, BE768992, BF679205, AA991432, BF747003, AA700360, AI750496, BE738587, AA745280, BE277173, W74870, W76640, BF822476, BE213150, AA405205, C00715, AI140018, AI872566, BE298380, BE737604, AI860168, I25684, AW970532, BF106056, W79713, BF956202, BF956282, H94086, BG250421, AW365113, BE566728, AW365115, AA852095, AV756872, D52876, BF348984, AA357417, AV741718, BF761112, AW365093, AA501627, AA721776, AW161956, I471993, AA345277, AW157011, AA894946, AI493524, AW162747, AI377103, BF687770, BF747781, I97838, BF217668, BF354042, AA658037, AL080242, AF085906, AF140598, AF142059, and X73608. BE747975, BE742186, BG251921, BF568088, AU131687, BE742275, BE877571, BE889874, BE620141, BG250663, BE877012, BF568926, BE877476, AI088434, BE910200, BE907736, AU128113, BG035185, AU135252, BE897378, BG251285, AA621667, AI346645, AW263010, AI625220, BE909297, AI609518, AW276382, AW304172, AI858601, AW029222, AI660891, AI813425, AI827115, AW074235, AW082804, BG255684, BE889213, AI893831, BG254622, AA669865, BE880196, BG167056, AW514153, AW170309, AA618054, AW770869, AI795849, BE644838, AI963363, AI623888, AI683880, AI281027, BE350615, AI828889, AW192796, AW316981, AI818478, AW188700, BE874867, BG117904, AW183022, AV733886, AI144179, AA738239, BF842504, AD55571, AI128137, AA975350, AA523124, BF439985, BF737320, AI952102, AW339226, BF845834, AW337829, AI589258, AA781230, AI682815, AI348149, AI000902, AW031097, AI187264, AA745890, AI554330, AA161208, BF941366, BF737329, BF873834, AA284668, AI304724, AW369971, BE881723, AI591155, AI149294, BG252387, AW083724, AI073489, BE812907, AW026240, AA969848, AI750653, AI433158, BF431937, AA158743, AW607441, AI350439, BG164051, AW122073, AA157530, AW238819, BF845974, BE879598, AI357834, BF515581, AA464119, BE909634, AA883794, BE906788, AW176385, AW748239, BF739013, AA554892, BE880565, AW337353, AI910051, AW362693, AV733276, AW362669, AW062307, AI750652, AI188344, AI370440, T89676, BE049540, AW815717, R74284, AU155926, AW81572, AI766050, AW854759, BG250066, AW81568, BE179232, AH43134, AA100117, BG249995, AW662078, AA284669, AA583615, AW748238, AA973099, I29593, AI750507, BF874455, AA463985, AA192627, BE710195, AI273199, BE172624, F06065, BG007464, BG19139, AI269833, AI702408, R2419, AI583131, BE165427, AI624229, AA040727, AW338259, BF087461, T19421, AW362710, AA345817, BE176089, AI471394, AI686279, AI702510, AA894583, BE173387, R39975, AI589449, BE706368, AA886172, BE171903, AW081126, BE176258, TW362723, AW362732, AA195849, AI915757, BE175993, AI754103, R74194, AW749528, T19420, AA960982, R27515, AI932864, BE879632, BE812877, BF921111, R80161, R10151, BE714639, AI269834, BE81301, BF087509, BE714920, BF087520, BF037520, BE714923, BE714915, AA039591, BF58735, BF909056, BE165002, BF825751, AA158183, BE87449, BE714916,

				AL042359, BF882644, BF882624, AA15958, AW369968, AW580425, AW749527, AW768883, BG255239, BI714924, BE813005, BG250694, R10562, BF737304, BG035495, BE714921, AA159112, R23662, BE823899, AA03950, AA039591, AI1978, E01560, E01559, E00924, E01238, E02114, D00244, E01467, A21571, A09202, A35395, A04029, X02760, I02932, I07013, E00178, A10915, A10916, A18397, X02419, A00421, I02577, E02649, I08788, E02832, E02493, E04897, E02578, I48917, E02708, E02579, E02709, E03404, E03403, E03405, X51935, X02286, E06063, I56011, L03546, X85801, O24853, A08501, E06847, E06846, E03402, I05760, X63434, X02724, X01648, X65651, A20747, A83180, AF097647, E01176, A76865, 236790, I01583, E01603, I01586, E01178, E01604, E01177, E04615, A27451, A27452, E03605, E03858, A31147, A31179, A31178, A31148, A07733, A07732, A31150, A31181, and A31151.
HDPGRI9	753	105016 7	15 - 1169, 1 - 1155	AL516209, BG260615, BE785644, BG260860, BE896752, AV706027, BG180418, BE868936, AV72226, AI676239, BE788339, BE048648, AV711383, BF691949, BF028845, AV708166, AW74106, AW961482, AW835289, AV756502, AI135651, BF791214, BG180644, AA309845, BF027850, HI8052, BE170599, BE788454, BE221196, AV712742, BF094008, BE550173, BG165107, BF184718, BE881640, BE788641, BE865731, AW674829, AV713146, BF691255, AA188972, AA171538, AI613008, HI2672, H23400, BE547326, BF195754, BF955766, AA126616, AA188973, N40417, BEV7233, AI363854, K76760, N27507, AA299091, N36213, BF093377, AA34916, AA358777, BE87973B, BF751377, AV734025, AW61404, R31998, BE571646, AA29677, H28645, AA360807, H57633, AW371897, H25639, BE706877, BF791191, H62318, N44780, BE786145, BF801347, BF795043, H00522, BF24732, BF131132, BF678339, R81877, R11558, R89483, BG109544, R09958, BG169124, BE619273, H45718, AV711169, AW835271, AA171678, AW87290, BF924004, BF378486, AI525830, AV656108, U46228, R11358, R21903, BE378919, BF085249, AW853025, AF084523, and AL031733.
HVUDXG63	754	105025 6	15 - 2484, 1 - 2470	BE615956, BE615456, BE615194, BE615842, BI561575, BE563187, BE615830, BE563326, BE616557, BF975225, BF968760, BF662845, BF974277, BE745255, BG258410, BE736088, BF308859, BF338336, BF736226, BF204392, BE614547, BE311934, BE616731, BE736359, BE614066, BF305803, BG111345, BF129216, BE615389, BE872600, BE616684, BF204544, BE736565, BE298823, AU139821, AW951126, AI356664, BE742184, BF183184, BE389115, BF304499, AA777030, BE298664, AW608326, BE301081, BF975931, DG166913, BF846393, AW815339, AI350705, AA429608, BI614732, BG244798, BF002901, AI857991, BG057397, AA234842, AA534828, AA789300, BE645797, AI074602, AW408426, BE735594, AA393482, AI276670, AI567492, AA479849, AI285621, AI275879, BE737486, BI912790, BF478059, AI095543, AU022763, AA766637, BE042491, AI208279, AW102930, AI032377, BE677333, AI784601, AA617779, AI628301, AI690885, AA397621, W39701, AA473371, AW269708, W39703, W81460, AW815569, AA613045, D82095, W45055, BE966085, AI275094.

AI81234, AI024429, AA477489, AA398694, AA252380, AA149031, AW339529, AI350254, W81490, AI612827, BF877930, AW513808, AA478043, BF916031, AA02522, AI439843, H4284, BF002059, AA775661, AW132116, AW451518, AA582149, AI479130, AA916803, AA43737, AA554835, AA252508, AA976893, AA621486, AA766796, AW137708, AA923619, M78220, AA253248, AI445308, AA837919, BE814025, AA478203, AI270740, BF916025, AW510503, AI168771, AI537931, AA571339, W21153, AA025962, AW591010, AW883701, AA074926, T29168, AW134962, AA074929, AA346314, AW118057, AW167090, AA431062, AI978620, AA327253, AW366562, AA475060, AI382261, BF095672, AW075576, AW192756, R05868, AW338642, N93548, AA747566, AI733856, AA149030, AV743071, AW84004, BF804385, BE077105, AI310670, AW391326, AV740252, AI754651, AI349130, BE301610, AI75030A, AA599712, AI095197, BF530611, AA22584, AA468505, T41134, AI57613, BF911958, AW467720, AC003959, X14454, A78706, L05072, M21065, M34253, A78702, L81766, L81615, AF176815, AC002194, I34294, M87909, AC002126, AP000359, S42653, AC008519, AC007383, AD000812, AJ09611, AJ02498, Z98047, L35532, AC02594, AC087225, AC004851, Z49866, AC005234, AC027319, AC008753, AC007883, AC005755, AC010519, AC087086, AL135960, AI131016, AC004686, AL109963, AC003664, AC005052, AC005520, AL022316, AL133211, AC024247, AL121890, AC005102, AC004826, AC005632, Z95115, AC008848, AC002301, AC004408, AF134726, AC004441, Z93015, AL022311, AL133243, AC002544, AC004603, AF181896, AP001712, AC004832, AF024534, D88268, AL354720, AC006511, AL391385, AL133330, AC006345, AC003692, AP000310, AC005670, Z83826, AP000512, M87914, AC006130, AL031735, AC00494, AC005527, U07561, AF031078, AC007390, AL09678, AL034420, Z84487, L35535, AL391602, AK025114, AC008747, AL138960, AL022302, AC006084, AF030876, AC009032, AL133453, AC004662, AL139039, AL121845, AC005952, AC011455, AL133448, AC020916, AC005080, AC004084, AC002549, AC013436, AL365505, Z82195, AP000502, AC002663, AP000212, AP00134, AL121747, AC002347, AL335804, AC006001, AC009470, AC03071, AC002316, AC005231, AL158040, AC016001, Z93783, AL022236, Z49236, AC002477, AC005041, AC007536, AL133332, AC005529, AC008649, AC008379, AP001207, AC010473, AL030996, AC003982, AC005284, AC008764, AC006254, AI246003, AL441887, AC005484, AP000252, Z98036, AP000503, AC008521, AC006101, AC006277, AC011489, AI109743, AL109801, AC005678, AC011491, AP000346, AP000216, AC004846, AL357497, AC004883, AL121753, AL022163, AL049537, AC007151, AL138996, AC006071, AX039602, AC011475, AC068799, AC020754, AL031597, AK022121, U94776, AC004166, AC020552, AL109984, AC002394, L78833, AC004030, AC007324, AC006125, AC000111, AL033533, AC005086, AL109843, AC004234, AC008745, AC011451, AC010358, AC008482, AC008044, AL031662, X62355, AL121877, AL133507, AC007376, AC005057, AC005089, AL138976, AF196969, AC007545, AC008403, AP000694, AI024507, AC020750, AC004659, AL034380, AC004824, AL121658,

HNOJA87	755	105028 2	1 - 2924	15 - 2938
			AC018719, ALI37129, AC008736, AC010494, ALI353701, D83989, AC011895, AC004076, AC009086, L47222, AI277546, AC005519, ALI121886, AC004799, AC004675, AC008347, AP000116, 295116, AP000689, ALI22201, AP000305, AC007011, AC011527, AC019046, AC011510, AA916805, ALI355503, AI597648, AI523867, AI915476, and AW138175.	ALS28169, ALS33044, ALS28170, AU131181, BE612946, ALI35002, AU135757, BF056657, BGI71550, BG033825, AI479941, ALI355267, AU131478, AU318439, AU134843, BF667911, BF677918, BF672445, BG165663, BE079463, BE536085, AI955006, AW471118, BF244058, AV702059, BE221662, BGI21124, AW382750, BF696174, AA927437, AW151212, BFI07560, AU132059, AI819834, AW953778, AI609284, BF698990, AI859794, AW439324, BG030945, AU139994, BE612496, BF028646, AI206535, AA860250, AI831104, AI742145, BE813327, AW968308, AI956036, ALI35266, AW367356, ALI36155, BE876988, BG252879, BFI26329, AI720945, AA994665, AI743900, AW993504, BE566902, AA664184, BF060653, AI667733, AAI73561, BF799366, BE535901, AW379843, AI653816, AW367281, BGI11300, BE567331, BE865972, BF572976, AW835282, BE694658, BF576110, BFI32692, AI090217, AA629687, BF673893, AII49995, BG032487, AA081847, AU153674, BF092922, BF247055, AI299830, AI707818, BF670498, AW387918, BF675455, AU158254, AA946803, AA633514, AII47273, AA425997, BF840663, AU155668, AI276038, AI879555, AI804246, AW439334, AI567777, BF092879, BE388238, AU156261, AI880793, BF838803, AI735680, BF383796, BF793693, AI276669, AU152974, AI344762, BF840775, AI859784, AA642439, BE885399, BGI70726, BE885385, AU261974, AV655055, H06260, AI095469, N31351, AI879172, AII23856, AA904011, AA400199, BF83793, AW379309, C75199, AA461594, AI150095, BF092870, BF840784, AA401360, BGI70799, W45460, AI753004, W45505, BF240790, N21396, BE762409, AW862124, N27476, AA434134, AA774539, AA297332, BE762380, BFI11905, BE566602, AA084443, BE702058, AI432961, AI439952, AA088269, AI039241, AA363799, AA687881, AA757780, AII49443, AA088377, AA425792, AA716770, BF092862, AI587227, BF092859, BF883837, AA666166, AI694247, AA037565, AA66252, BF922973, AW089309, AII74215, AI285541, AV697011, BEI50667, H88419, BE775018, T40915, AW023229, BF840777, T83573, AA297916, AW020753, BE071395, AI186553, BF149317, AW675220, H95457, AI216872, R52751, C04099, AA363800, AI696248, AA806908, H66112, BE544848, BG015556, AI003224, H06261, C75103, H88359, BE932943, N93320, AI475318, AA298109, BE004156, AA101870, BF438939, AA298660, BE071333, R15217, BF753802, AA761472, AI572307, W25142, BF935223, AA894878, BF508277, AA297827, H66066, Z42814, AAI73725, R52700, H88085, BEI50666, H95456, W40496, AL535043, AA305188, AW364994, W40505, T85599, BG254457, AA516125, BG223547, AA065145, AA064868, T84493, AI300725, H88086, R78625, AW674695, C02996, AW496824, S74017, U20532, U70475, AF03750, R41655, R41655, W40502, W45509, AA032072, AA034284, AA099411, AA730470, AA954656, N86667, T10535, Z38956, AI866062, AW238674, and AW512933.

HTPGI65	756	105041 9	1 - 1942	15 - 1956	BE794083, BE867150, AU139367, BG035892, BE798073, BE905298, AU134218, BE410038, BE791248, AU134164, AU133688, BE267301, BE263771, AU134441, AU136368, BF883784, AW939369, BE615551, AU133625, AI570386, BE617323, AU148426, BE901240, AA829453, AU138841, AU134497, AA777362, BF736859, AU155458, AA316446, AA526833, AA928680, AA989350, AD84236, AA856540, AU156680, AI493598, BF823301, AW374387, BF879247, AA838496, AA917642, AU154920, BF736850, AA085539, AA410796, AW630746, BE463463, AW579379, BF882778, BF883729, AI690718, AW375908, BF879765, AA524154, AW873172, BF871812, AW614779, BE185875, BE832918, AW610430, AI310958, AI923663, BF882696, AU154875, AA838036, AW841181, AU155421, AW627527, AW103093, AL523362, AU155263, AW166893, AA291982, R73021, AA535477, AW629697, C05826, AA43437, BF871737, AI079149, AW604936, AW604933, BF736876, AI350214, AA41097 9, AA47787 8, AA06901 5, H45108, AU15798 0, L73438, AA54845 7, AI76899 4, AA65831 1, AW752319, AA327429, R53022, AW294177, AI962062, AI353114, W31277, AA64915, BE873506, K50495, AA47776 8, AW610384, BE715674, AA433851, AA284998, BE049489, I27597, H12607, AW72575, BE049465, AA357493, AA573883, BF854491, T86854, AA887199, BE877001, H27939, AW780166, BF036867, AI796580, AA366722, AA159295, AA410813, R73022, AI355006, BE814771, AA155990, AI811476, R81651, AA299295, H12657, AA121219, AA366746, BF762334, AI445787, AA470893, BE068878, AA367063, AA375474, AW469397, BE001670, AI569291, AA581225, AA069080, AA369935, AW368396, AU120380, AA514641, BF209520, BF820420, AA366871, AI910605, AI363744, AI355133, AI269794, AI590047, AW964534, T30792, I78501, AA234548, R50578, H27938, AA299413, AA527542, R81448, BF763266, AU076709, AA132363, BE832780, AI453001, D25596, BF333621, AW190664, AW175766, AW793307, AW263603, AI683392, AI696755, AW518881, AI287501, AI985615, AI355010, AW192142, AA508837, AW572337, AW058307, AW572444, AI250069, AI589747, BE185617, AW474895, AI369021, BF810856, AI269797, BF804202, BF915914, AW074208, BF804203, BF333622, AW673409, BE827888, AI185429, AI798394, AI758335, AI888925, AI758947, BE962213, T11441, AA419971, AI610219, T10435, BE617806, BE827856, AW375906, AA478200, AI684039, AI744994, BE839809, BE140587, U73843, AR020776, AR017307, AX048151, U97156, U37344, AX017308, AFI10184, AF016294, and AF287266.
HHFGN14	757	105053 6	1 - 3333	15 - 3347	BE616112, BF792009, BF311929, AI039583, AI539772, BF979018, AV632556, AI911696, BF337750, AW328182, AL039415, AV709890, BE341671, AI924929, AI024590, AI799360, AL047238, AW151199, AI610202, AI354867, AW264758, AI047276, AI047492, BF725615, AW372255, AI620267, AI148362, AW242103, AW118263, AI860374, A576772, AA464454, BF967859, AA534442, BF967317, AL048103, AW362999, BG059706, AA394278, AA579402, AI129572, BF741330, AW150084, AA905545, AA918638, AW072583, AI445594, AI042547, AA953112, BE044458, AA614134, AI089102, BE677448, BG059650, AI270652,

				Accession numbers
HTAIN76	758	105055 3	1-1664	AA292749, AA503058, AI302892, AA530883, AW328183, AW614419, AV703196, BF850972, AI047949, AI086301, N92185, AV707631, AW519210, BF836769, BF914951, BF847963, AI829760, AA603983, AI362414, AI955993, AW654781, AW512051, BF850360, AA457099, BG057763, AV654189, BF868750, AW150405, AA688236, BE719352, H27064, W23937, AA582312, AV652254, AA732255, AI961779, AI023214, AA526768, AA525989, AW104607, N94487, AV703504, N64388, BF737509, AA757177, R88091, AA954175, BF847964, AA628021, BE244373, AA293242, AV657867, BF678799, BF851625, AA576485, F37075, F32636, AA627770, AV701978, AI014454, BG055878, BF847664, AI270038, BE243615, AA887007, BF589249, BF516310, H83392, AA86694, BF823682, AV709909, F07733, AA574119, D31018, AA351366, H14327, BF855330, BE894720, BE772296, BE669617, F27419, AW006682, AW00993R, BF740632, BE772258, AA320421, BF835798, AI86991, AW135299, BF916991, AW972163, AI245697, BE772224, W63649, BF769115, AA52947, AW960783, BE772252, BF834380, H83391, AW197985, AI55660, AA323483, T2872S, AI69975S, BF915953, N35674, BF882754, AA318925, AI43253, BF707792, BF829768, AI047948, AV705223, AI621333, AV709580, AV709935, H28232, BE826874, AV749319, AI692371, AW613554, BG034492, AW176591, BF515295, BE609576, BE696543, BF915025, BE696629, AW167674, BE696568, BF834456, AA457827, BF829810, AV756920, BF882768, BF334809, BF437220, H14285, BF358043, BE696555, AW375875, AW952990, BF375874, BF873903, AW151378, AW881537, BF855355, BE696593, BF829983, H14116, BE696639, AW793770, BF859227, L13740, D49728, D85245, X97226, U17254, X60132, J04113, XI6995, U17590, AL133074, AX040958, AX040974, and AW294924.
			15-1678	BE379181, BG248320, BE394344, BE304882, BE870646, BF342593, BE869659, BE395299, BE378779, BF347272, BE867897, BE304851, BE273083, BF034604, BF528940, BF348521, BE315252, BE394405, BE69523, H11951, AL039694, AI087281, R12830, BE273008, AW800353, BE741880, BE395735, AV695990, BE871000, H58758, BE410611, AA158857, BE273259, BE764627, BE740366, BE563582, H97070, M78038, BE255407, W30987, AA377820, BG251142, BG164164, BE744662, D3150, R06968, BF569502, BE569624, H22720, W78867, BF746701, BE874990, BF529027, BE78141I, BG166165, BF688742, BE383214, BE394738, BF821988, AA179431, N59613, AF016903, AX011664, M64780, AR043380, and M92657.
HLYB089	759	105070 2	1-1095	AI631294, AI694310, AV73516, BE379742, BG167007, AI640172, AI074606, BG121897, AI670881, BE797790, BF940039, BE741302, BE742046, BG163770, AI858065, AI681393, BF984484, BE790111, AI400174, BF978941, BF973090, AI761953, AI910439, AI089029, BE048642, BF219348, BF670338, AI670873, BF247903, AW614075, BF245676, AV723510, AI991906, AW262850, BF542114, AW951106, AI457787, AI41584, BF213100, AV733272, BE866235, AA582224, BE293715, BE293433, BF197587, D56385, AI681691, AA459997, AA282970, AA652011, BF208865, AI769114, AA46091, AI091029, AI375169, BE958578,
			15-1109	

Gene				Sequences
HMEKJB2	760	105076 7	15 - 597	AA283060, BF677506, BF382312, AI400216, AW044700, AA782032, BE090147, BF211105, N70581, W00474, AI129124, AI909822, AI624690, AI208850, W04882, AA614862, AI799764, AI633913, AW612235, BE866291, BI972765, AA987867, AA312107, AA916363, T29090, BE503032, BI694176, AA492546, AI373064, BE762975, BF224233, AW772272, AV655130, Z30203, AW015455, AA379970, AI36842, BE772285, AW24572, R96106, AA383564, BE720406, N72193, AI868673, T64539, D45517, C20558, AI130836, AW007571, AI928680, AI91010, N87559, BE70238, BE178819, BE566653, AA83469, BF910106, BG179242, AA37295, AI963630, W21362, T65962, N67416, N93012, BF154709, BE182933, AW364315, AA248547, AW771495, AI56096, AW271309, BF111624, X72964, U82671, AF080592, AI02127, and AI025418.
HOFNX17	761	105096 9	1 - 583	BG037143, BF676815, AL527704, AU125963, BF028753, AW40138, AA952954, BE782652, AV763225, U26424, U60206, U28726, AI001529, AF271361, and Z25422.
			1 - 669 15 - 683	BG167328, BE565189, BE789424, BF243458, BF215528, BI973004, BE73825, RF244163, BF665298, AU135381, BE738188, BE567581, BF107150, BF971769, AA129310, BF636527, BF573009, BE882050, BF665893, BE889391, AU136700, BG118456, AU139656, AU137801, BF981334, BE883571, BE885625, AU133337, AU137564, AU137423, AU135571, BE885645, BE886273, AU138129, AU139930, AU135525, BE882307, BE889674, AU138813, BE883940, BF340792, BF219314, BG117049, AU137131, AU139496, AU136839, BE395726, BE613877, BE784318, AU122831, AU139272, BE890074, BE889354, BE393571, BE019690, BF672909, BF091549, AV75667, BE890028, BE889618, BE785202, BF790680, AU135762, BE883722, BE890010, AU137370, BF672419, BE869220, AU135495, BE888097, BF673438, BF029110, BE611536, BE746626, BG164494, AU117349, BF245980, BG121662, BG121427, BF980639, AU138607, AU137127, BF972534, BF246106, BF130804, BE883891, BE566362, BE787422, AU135221, BE899043, BG111978, BF245291, BG036076, BF777467, BG119474, BE886256, BE884608, BE888717, AW950757, BE439455, BF663998, BF107275, BF696507, BE613538, AU122830, AW366472, BF107233, BF979239, BF698764, AV757833, BF349437, BG250298, BF671133, BF037244, BF700315, BF67262, BF031223, BF084959, AW36647, BE885476, BF349429, BF21501, BE567062, BE567857, BF696793, AV714650, BF28154, AW366486, BF685662, AV714843, BF243102, BF217410, BE546162, AV757230, BF680563, AV717869, BE160289, BF242795, AV756534, AV366462, BF245428, AV734845, BE160277, AV716730, AW366477, AV757969, AV755997, AV761675, AV763314, BE245840, BF209181, BF242088, N79355, BF21920, C18232, BF107418, AU138502, AU134300, BF241022, AA348570, BE928764, AA852087, BE565641, BF243032, BF028253, N85304, AV74314, BF149206, AV714294, AV748590, BE884043, W07418, BG010285, AA095823, AA344036, R95461, X56649, U24656, I02238, AX004164, AX004167, X95108, E01979, and E04245.
HAOSY21	762	105109	1 - 719 15 - 733	BF684581, BF342950, AW957686, AV722375, AV723295, BF237688, AV707099, BE296762,

	5			15 - 4725	BG249626, BG030540, BF904320, BE855564, BF343422, BF967357, BF381900, BE735772, AW957960, BE797433, BE795824, AA315117, AI125407, AW964045, BE857238, BF083643, BE383303, AA527168, BE877943, BG180679, AI660483, AA526476, AA524465, AF246226, BE46809, AI089960, AA446158, AI815670, AA603451, BF400219, AA541685, C14084, AA100697, BG149755, BF205057, BE835699, AI871796, AI113696, AI87833, AI185832, AI479416, AI563976, AI333816, AI141745, AW138570, AW15667, AI879393, BF750478, AW965775, AI081138, AW516945, AI660905, AI217985, D60576, AI879973, D59838, AI038860, AA102814, AA931242, BF027307, BF224241, BE265665, AA513786, AA070996, AA586819, AI096871, AV724707, BF433217, AA776763, AA125855, BF81227, BF216575, AW949359, N53018, AA682431, AA535032, BE266107, AI336049, AI356704, AW272440, AI184304, AI073583, AA306591, WI9566, AA125841, AI125969, AA248470, AI056604, AI350076, AA442677, AI184964, AV297214, AI569557, AI889555, AA732059, AI901035, AA927737, AI53798, C15292, AI797215, AA30629, AA502617, AI04867, AI539315, AI14920, W95435, AA68224, AA513631, AA889266, AA429855, AI051738, BG055718, AA721039, W15344, AA947500, AA478900, AI869608, AI085201, AA55223, AA722721, AA947125, AI000301, AA54883, AA076617, AA437187, AA962318, AA129809, AA758447, AI022563, AA737832, AI991817, AA592946, AI301328, AA575968, AA779628, AA923511, W95562, D60527, AI202852, AI342761, AW92683, BE275757, C15125, BE76128, AA887528, AA938462, AW16365, BF84491, AA281870, AA99167, H64391, AA825008, AI198092, AI271711, HI91874, AA28586, AA126067, H72163, C15570, AA33674, N80835, AA533218, BF986474, C15228, AA887522, D60706, AA335282, AI349428, AA31735, AV749512, AA360534, AA369535, F35247, W21262, H89937, R58065, W39436, W37085, AY37495, N20273, AA523158, AA364733, AA303269, W07566, AI349426, AA034211, N29179, BE302449, H91983, C11543, AI648551, AI925330, H72068, AI468034, D81321, N75328, AA029297, BF699753, AW862100, BF851922, AA383062, AW89230, AA431548, BE353709, AA322774, AV747190, AW89170, T93983, D60707, AA301170, AI376085, AI080573, AW859090, W04779, BE621152, AA304243, AI031902, AA878574, AA600861, AW878796, AW839632, BE206699, AA091291, AI039006, AA78234, BF435042, AA356010, BF512771, AA062921, AA375603, AI053681, BF477088, BE166757, BF183773, W24482, AF151048, AF247565, AA047837.
HMWDB39	763	105111 5	1 - 4711	15 - 4725	AI527816, AL533334, AL532298, AI132991, BE738228, BG034053, BE739552, BF984110, BG260492, AT755413, AW604005, BE560912, BG170764, BF891685, AW608050, BE277616, AW608063, AW608053, BF305030, BG164154, AW608056, BE069945, BF969279, AW87648, BE387593, AW386751, AW608048, BE88305, AW608054, AW373467, AW373475, AW876491, BE89365, BG032180, AI134864, AW608046, AW876498, AW373468, AW134836, AW876490, AW369558, AW369560, AW373624, BG106325, AW386747, BG032622, AW373476, BG121952, AW369560, BE89661, BF56580.

AW836242, AW369561, AW373473, AW376570, AW876497, AW369559, AW378294, BF726233, AW876489, AW899621, BF035992, AW876476, AW369571, AW876480, BG027519, AW373479, AW373464, BG055138, AW373477, BE874758, BG118978, BE185059, BE784786, AW876474, BG252488, AW385592, AW373471, AW373482, AW836237, AV715442, BE615826, AW876492, BE881688, AW373478, BE888937, BG032627, AW385574, AW876483, BF361398, AW373480, BF033985, AT700633, AW373465, BE615477, BE896466, AW364564, BE878226, AW373474, BG257241, BF340616, BE546595, AW373481, AA053849, BF216644, BE513924, AW383951, BE880686, AW385579, BF921426, BE548398, BE868741, AW386760, AW378296, AW373485, AW378295, AV994892, AW893669, AI632239, BF692060, AW373469, BE738072, AW363813, AW373483, BE541327, AW386752, AW385591, AW386715, AW373466, BF673735, AW384769, AI651721, AI632779, AA706248, BG257449, AW384785, BE546974, A1589855, AA113969, BF218177, AW369577, AW386748, BF801868, BF194692, A1955248, BE620382, A188943, AW076122, AA176285, BE739291, AA428594, AW167692, BF083062, A1522096, BF696445, AW474009, BF131055, AI264006, AW385581, AA631903, BE720765, AA633346, AW385578, AW373460, AI348112, AA843645, BF210285, AV727183, AW373458, AI027070, AW384770, AI924359, BF240054, AW384772, AI673709, N68537, AW130475, AI241366, AW580203, BF103666, BG163604, AW994896, BE897507, BF357695, AW369575, AI088870, BF919687, AW081292, BG149867, BE620727, AW378301, AA432230, AI129576, AW364562, AA742560, BE159814, AW369573, BE546316, AI564507, N4219G, BG024350, AI983721, AW052082, AA740562, AI276658, AA486946, AA992912, AI215928, AI569250, AI028285, AA508121, AI306387, W04360, AI950346, N51880, BEI77653, AI470113, AA430175, AA490677, AI375201, AI800394, AW662258, AW962793, N72904, AI652823, BF575416, AI191933, AI024692, C75011, AA434093, AI038002, W02896, H00629, AI812000, AI304686, AI278596, AA527881, AA633344, BF082389, H08486, AW379867, N32728, AA825763, AW803297, AI829571, N68953, BE177654, AA505953, AI873985, AI274402, AI754033, AF130088, AL110137, D78188, AC024083, AK026295, AX013739, D26179, U20290, U21661, D26326, E04618, T63716, T79269, R13368, R24409, R32242, R33507, R34284, R40883, R60861, R67204, R67205, R70908, H07137, H08418, H08419, H08485, H08764, H13420, H13464, H13795, H13794, I21707, H42563, H43041, H83509, H83508, H99887, N21430, N23149, N28573, N28675, N32929, N42075, N51875, N52944, N47191, N74269, W00450, W00632, W23642, W32327, W38935, W44913, AA013089, AA054155, AA055475, AA143055, AA143255, AA151959, AA149878, AA150154, AA152222, AA251029, AA251453, AA463690, AA228469, AA279574, AA521352, AA564972, AA602662, AA622739, AA632519, AA662490, AA714200, AA731138, AA743780, AA825740, AA826286, AA828927, AA865676, AA887481, AA887877, AA888323, AA991413, AI032201, N29288, CI4670, CI4669, CI4839, CI4840.

| HAOS253 | 764 | 105124 6 | 1 - 1325 | 15 - 1339 | BG116754, BE742356, BG169741, BE737394, AL536737, BG035700, BF529756, AU129386, BF569781, BE906445, BE888309, AU126226, BG164594, BG112518, BG120249, BE390387, BE908319, BG104445, BF786862, BF529755, BF345037, BE272295, AU139884, BG032038, AW954508, BE385393, BF570296, BE536063, BE563539, BE886236, BE907551, BE733035, BF971649, AA292422, BF569789, BE874289, BE884694, AI346755, BG118789, AA477693, BF679397, AA526490, AI937163, AW007343, AI421549, AI186858, BG170016, BE884242, AU158211, W73114, BG163524, AW071883, AI921806, AA293715, AI677767, AA434504, AI635865, AA525971, AI245616, AI923979, AW673927, AI336339, AI982909, BF130225, AI087176, BE042450, AI566913, AW971941, AA430468, AI143240, AI042262, AIP24324, AI283781, AI748862, AA405242, AI536736, W58109, AA434406, AA884449, AA477694, AA437352, AW583877, AI149950, W94126, BE150951, H30230, AA137204, BE150896, AI910258, AI569011, AI038000, AI351681, AA278265, AA503519, AA100354, BE242836, H30675, AI000002, W58219, BG261250, AA427618, AI640789, BE280007, AW965577, AI160137, AA480675, AW675091, AA402964, AI264432, BG008682, W05533, AI418798, AA14299, AI040251, AA002196, AA505527, BG107498, AA329214, N76134, AA631827, AA307966, AA864701, AA137267, H28117, AI20B509, BE393546, R48090, R50206, AW080323, N31266, AI342175, R78352, AA054747, AI750670, AI620791, T66846, R26643, AA100305, T77309, AI199378, AI648478, F13345, AW583507, AA873206, AI520788, AA484092, AI625948, T36535, Z44621, T48631, AW000713, C04757, T60738, AA002067, R4I978, AV707282, BF247764, T66845, H97612, AI470990, BG167362, R49672, T34246, N87910, H06178, AA514312, BF745589, AA394089, AA379308, BF247881, BF570302, AA627384, N36593, N22880, R50152, AA278732, BG014014, H90261, F30847, AU126761, BG009210, R22286, AW082510, AA054745, B774315, AW271186, AA258014, BE925169, AW192387, AA429125, T08566, T06887, BF852854, AI567068, AI671642, BG163239, BF21477, AI263331, AI800171, BF907444, BF338002, BE622183, BE81447, AI800159, AW027276, AV758825, BF793324, BF504782, BF338723, BE876033, BF822127, BE874133, BG25692, BG032036, BF970449, BE047852, BF032910, AW673679, AI273179, BG110517, AI620284, BE612681, BF529881, BE536058, BF032910, AW673679, AI273179 | C15221, AA643562, AA293560, AA398413, AA446482, AA452815, AA452954, AA486758, AA486770, AA486933, AA598444, AA599697, AA431474, AA722709, AA758097, AA770400, AA843343, AA843855, AA846874, AA283278, AA361924, AA868908, T11105, Z30153, T16335, T63872, F00737, F10114, AA693374, AI291390, AI362774, AI367548, AI202758, AI472671, AI540703, AI540740, AI419218, AI141229, AI186851, AI651321, AI263365, AI282058, AI351923, AI633466, AI694841, AI758368, AI817250, AI818116, AI869179, AI891148, AI807302, AI928622, AI934150, AI971688, AI972172, AI982683, AW024538, AW090473, AW151332, AW263475, AW188735, AW193329, AW304152, AW469996, and AW517789 |

	HSCDP14	765	105125 6	1-629	15-643
BG029667, AL045500, BE895765, BG252929, BE883591, BE897632, BG029053, BF339310, AI915295, BG253684, AI499623, BF344031, BE778382, BE785868, BF885080, AI364788, BG113224, BF343521, BE964876, BE887456, BE907652, BG254745, AF028823, AX001327, U90911, AF168787, AL389935, AK024538, AB048975, AL359620, AL122049, AX005848, AX005804, AJ005690, AL133560, AL049430, AK000486, AF132676, AF061836, A65340, AF130055, AB048974, AL162062, A08916, U78825, I48978, AF119871, A08910, I89947, A08909, AL117583, AF177401, Y09972, AK000310, AK026532, AB047941, AK025375, AF130092, U87620, AF090900, AF125948, AJ003118, AF260436, AL353935, AF113694, AX040958, AB044547, AK025092, AK000421, AX045159, AK027142, E01614, E13364, AF116644, AB033884, U67958, AF119896, AF065135, AK025431, AX020124, AL080127, AL117457, I00734, AF227198, X87582, AB050431, A08913, E00617, E00717, E00778, AL353940, AL389951, AB038854, AF017437, Y11587, AF218034, A08912, S77771, AL133072, AL137292, I89931, A08908, X70685, AL359615, S78214, X63574, AK087170, AK025414, A18777, E04233, AF118959, AX040974, A07647, U77594, AK026506, X96540, S76508, AK026542, AF078844, AF090943, U72621, AK026583, AL122106, E00631, A010277, AF113019, AB048888, AL050024, AK026480, AL137478, AK025798, AK026950, AK025708, AF221617, AL122110, AX019230, Y11254, AL133080, AK026626, AL442083, AF094480, AK000323, AL133077, E15569, AR034821, X93495, AL137479, AB049892, AF064941, AB016226, AK024992, AF218031, I33392, AL133640, AL359600, AK026613, AL389957, AR059958, AF111849, AK025349, AF017790, AB049853, I09499, AF039138, AF039137, AL137547, AL133568, AK025383, D55641, AF271350, S61953, YL0655, AF113690, AL137283, AF119899, AF097996, AL049283, AF087943, AF217987, AK000074, AK000212, AK025435, AL133557, S69510, I66342, AL137656, U80742, AL080126, AF130110, AL133619, AL050393, AX019229, M92439, X72889, AR011880, AF119337, E06348, AL137526, AF067728, AX042059, AK025410, X84990, AL110221, AK025484, AL133113, AB007812, I89934, AL389939, AR083266, I09360, A65341, AK027121, AK026741, X52128, AK025254, AL137705, AL110218, AL137463, A08907, AF113689, I48979, AR000496, U39656, AB047897, AK026045, AL050534, AF130100, AL133081, AF177336, AK027204, AL137529, AF130075, AF116649, AK025524, AL023657, AK026551, AL080148, AL110224, AF266204, E07361, AK000718, AL353625, S75997, AL080074, AL133558, AF119878, AL162003, AR075044, AF069506, AL137271, AF111851, AF120268, AK026784, AR079032, A45787, U68387, I32738, AL096751, U42766, AL137480, AL122121, AF116682, AF116631, AL162002, AL136884, AF116676, E05822, AB033881, A76335, AF118090, AL353957, and AK026647.	765	105125 6	1-629	15-643

HW1.XZ72	766	1051319	1-874	15-888	AA355638, BB699743, Z42486, AI815234, AW663636, BF889196, W21832, BE565922, AL516637, BE958636, A535471, BEI75183, BF726418, AW577181, AA451951, BE090298, BP925269, AC005042, X81889, and AL159997.

BB858219, BG033926, AI567888, AW268537, AW673994, AA024788, AI422260, N51863,
BF033434, AW029206, AB087194, AI887629, AW058569, W80814, N51525, AL048448,
AI333657, AV764407, AI280422, BG249887, AI277499, AW379304, BG114514, AA024832,
AI005388, BE094103, C75026, AW515425, AI683577, AW243960, AI469624, AA39427I,
AI471534, AW510517, AI206785, W80907, AW069694, AV762395, AI886403, AI624585,
AI963720, AL046409, AI284640, AW975981, BF668217, BF677892, AV761745, AV763540,
AV763558, AW193265, AW973789, AV740801, AV76077, AI41303, BG249643,
AW33362, AW965008, AV761362, AV760466, AL037683, AW500125, AV710066,
AW969698, AI754955, AF530238, AV682003, AA610491, BF697673, AV763971, AV763633,
AA581903, ALI04853, AI270117, AV757607, AL138265, BFI30107, ALI42753, AW301196,
AL138455, AV763645, AA988549, AW268300, AW472872, AV763670, AV762064,
AV406755, BF793766, BG109996, AV757425, AV762397, AI801482, AW301350,
AW699088, AW975217, W327868, BB160727, BF827410, AV762959, AW979076,
AI028429, AV763449, AW265385, AV728425, AV761489, ALI19691, AA680243,
AW973397, AW274349, AA587604, AW419262, AI370074, AA649642, AW518220,
BE049139, AL048925, AV761106, AA720702, AV735370, AV758600, AA521323,
AW979060, AV764530, AV706106, AV735495, AI350211, AI370094, AI334443, AV760207,
AI457397, BF724372, AV762111, AA490183, AL040921, AV759329, AA521399, AI355206,
AI623720, AV725423, AV975987, AV074667, BF915247, AV742057, AW957076, AV734666,
BE049095, AI732120, AL037554, AV729809, AV764307, AA584201, AI281881, AV764329,
AW970571, AI469968, AI133164, AA877817, AV73943, AV762505, BEI39146, AV073470,
BE276880, AV763354, AV738303, AV761403, AU137841, AV741609, AV742309,
AV759274, AV759580, AV960468, AW408717, AW662543, AV762098, AW276827,
AF074677, AI246119, AI357238, AW088846, AA491814, BF940837, AI307201, AV761843,
AW502975, AI610920, F36273, AV760937, AV742337, BG059450, BF915722, AW503666,
BG009291, BF241967, AW273581, AV760133, AW021583, AA48271I, AW872676,
AV764578, AW963497, AI696962, BE350475, BG104686, AV760057, AU079645, AL044940,
AA682912, AV756693, AL043009, AI305547, AI613280, AV73830, AV762139, AV759518,
AV758994, AI289067, BE042649, AI88752, AV729881, AI064864, BE672637, AV719316,
AI053672, AW974109, AI249997, AI923052, AI754336, AV764228, AI076616, AV764398,
AV761498, AA665330, ALI10164, ALI61426, AK025661, AC005041, AC005520, 294721,
BE3989, AC005037, ALI62424, AC006064, U67221, AC020629, U18391, AF015156,
AL031311, AF015149, ALI37918, I51997, AF015148, AC004841, UI8395, AC011464,
AF015151, ALI21905, X55926, AC011510, AF077058, AL049780, U57007, X55925,

HUSGQ45	767	105110	1 - 2131	15 - 2145	AC011442, U57009, AC005696, AL133517, AC011484, AC007240, U18396, AC018801, AL096791, AL033417, AF124523, AL109921, AF015147, X54180, AC004584, U57005, AC022274, U02532, X75335, AC005043, U18393, AC005406, AL133246, AC005704, AF254822, AC011462, AC010422, AC002115, U18399, Y07848, U57006, AF141976, AF015157, AC009600, AC010326, AL139342, AC007066, AC000026, AC005527, X76070, X55924, AC004019, X53550, X54178, AL031668, AC007751, X54176, AL121753, AC005086, AC005529, AC008264, AL023284, U18387, AP001716, AC007055, AC008012, U57008, AC009315, X55927, U18398, X55931, AC002563, AL121920, Z84480, AC011811, AC000025, AF031078, X54175, U95742, AR030876, U18390, AC007043, AF015152, AL160175, X55922, AC004859, AL031670, AL050035, AF015171, Z49816, AC006349, AC011357, AF015153, AC004974, AC004030, AL159985, AC004463, AC034242, AC058791, AL159970, AC011299, AL008728, Z98745, X54177, U67211, U47924, AC005914, AF015160, AC004940, AC005300, AL118520, AC012351, AL353701, AL050038, AL133749, AP001748, AL161670, AC006531, AD001527, Z69666, AC010267, AC006512, U11309, AP001630, X54179, AC007537, AP000459, AC013436, Z22650, AP001687, X74558, AC005015, AP002015, AL121902, AC007488, AC005553, AC008014, AC011495, AC010553, AC007536, AC004087, AC008521, AC022073, AF001349, AC006116, S43650, AC025430, AC006045, AL133174, AL133163, AC000052, AC018758, U67801, AF302689, AC005081, Z74617, AC005678, U62317, AC010276, AC005815, AC005618, AL034402, AP001685, AC018662, AL021918, AC004637, AL035404, AF042090, AL021155, AC018513, AC002045, U07562, AC006548, AC027464, AC011477, AC003691, AC002984, X88791, AL078593, AC004638, AC003085, U66059, AL445143, AL353284, AL121903, AC002375, AC007064, AL138755, U67231, AC018720, AL021877, AC025593, Z98256, AP000567, AC004987, AC005790, AL160303, AC004008, AL033523, AC004814, AL354670, AC002430, AC020914, AC005335, AL139421, AF015167, AC018644, AC006213, AL354720, AC011362, AF123462, AL022316, AL390056, AL031123, AC005088, AC007384, AL39972, AC009230, AF168787, AF165142, AP000555, AL163282, AL37022, AL121747, AC020893, AC007421, AL035086, AC004650, AL136526, AC006312, AA877432, and AL865286. BE739700, BF983215, BG258779, BG163816, BG256325, BF541718, BF686345, AW977439, BF183960, AI480121, BF573373, AI67083, BF062582, AA649066, BE866013, AA393762, AW195621, AII26326, AA393932, BE568629, AI337309, BE718919, BF568441, AA862483, BE866445, BF673069, AW300415, BG179908, BF219061, AI478949, BG110866, W79556, R84749, W79616, AI03031, AI205871, AA394177, AW663410, AI243398, AA700745, AA805344, BF693117, AA708627, AI472932, BE568938, BF885791, AW663425, AI216490, N95490, AA91827, BF885789, AA877843, BF575027, H53683, AA456841, BE000764, BE938956, AW139999, R77915, AI910934, AI684582, AV741110, AA764940, R78016, W24963, AI940447, AA361209, BE005023, AW025585, AA209140, AK000101,

| HLDRA54 | 768 | 1051437 | 1-1677 | 15-1691 | AF086446, and AC011013.

AL533367, AL532392, AL537328, AL533407, AL516653, AU118668, AU122094, BE739671, BF966971, BF018456, BF741999, AU119767, BF971069, AI45828I, BF792243, AU142812, BG248776, BF339829, BF980033, BF793928, BF966768, AI198949, BF984454, BE250579, BF794805, BE390051, BF980566, BE780407, BE253883, AV714659, BE887233, AI740738, BE741484, BF032864, BE614803, BF530823, BE747167, BG022570, AU132713, BF965660, BG032452, BE740178, BG029187, AW160420, BF220243, BG035649, AU119592, BF299953, AU117896, AI878937, BE890079, AW579878, BE386288, BE881130, AL537327, BE562521, BE795160, BE784632, AW579888, AU121752, BE777823, BE886228, BE884400, BG104590, BE797668, AA085747, BE274835, BG031877, BE898823, BE619121, BF309670, BG178062, BE893231, BE891645, BF547323, BE783387, BE734788, AU117133, AW249968, BG036752, BF004574, BE661857, BG037195, BE781779, AW239469, BG110358, BE615061, AU116845, BG249111, BG117310, BF691140, AI632928, BG023603, BF674342, BE884965, BE907890, BE259829, BG256342, BE537042, BF797065, AI863021, BF126392, BE731653, BE389709, BG259263, AW162252, AW23939I, BE891540, BE897367T, BE897677, BE296067, AL038885, BE779549, BE893408, BE274130, BE736409, BE271903, BG031080, AW247233, AA932251, BE275703, BE379573, BF204931, BF967217, BE785912, BE893943, BE277675, BG023822, AA604115, AW370917, AW162036, BE379993, AI952921, BE390625, BF968144, BF574386, AU145898, BE899319, AW245206, BG111941, AW820154, BE739210, BE265218, BF316016, BE260076, AI312047, BF977072, BE239209, BG257938, AW247843, BE252870, AW248930, BE385062, BF446822, AI422247, AW003691, BE893783, AA565849, AU146019, BF107157, AL134633, BE390356, AW996794, AW084959, AA553943, AI680878, BF881956, AA631253, BF725626, AI083509, AW363234, AL516652, BE268850, AA425051, AA932650, BF195107, AI497691, AA845438, AU143824, AI253237, AI074492, BF577054, AU160020, AW328595, BF722547, AA900460, BF350223, AI277899, AI686921, AW160751, BE386561, BF541359, AI440010, AW674325, AU143824, AI253237, AA312689, AW178244, BE775114, BF216796, AW675055, AA618369, AW887603, AA312689, AW178244, BE775114, BF216796, AW675055, BE618029, BE300747, AA903805, F37528, BF886389, BE798705, AI23065, AW606396, BF967945, AI246263, BF036656, AW606404, AI766287, BF219690, AW197646, BF680087, BE264891, BE894678, BF061827, BF701534, AW025987, BE738900, AI181839, BF802238, BF061890, BE867346, AA603289, AV699107, BF056800, AI677793, AI302980, BG036639, AI270319, BE904329, BF673935, BF218563, N22238, BG180754, BE537700, AW190125, BE726081, BE871705, BF675827, AX013695, M28372, U19765.1, I2693, U20326, X63866, Z11871, AF42550, D45254, AF004942, AF035676, U20977, U43373, AX008043, AU022067, T72083, T92679, R30797, H88591, I97509, N28360, N64252, AA04534I, AA045429, AA08517, AA086438, AA146828, AA14642, AA169595, AA194346, AA491535, AA491727, AA528277, AA618399, AA632743, AA640345, AA657551, AA657552. |

2244

HNOJR48	769	105153 3	1 - 1626	AA847205, AA878517, AA888284, AA888471, W26992, W27525, AA092612, AA093936, AA095079, AA844221, AA897210, AA928087, AA970794, F04554, F08330, F00612, AI310875, AI370081, AI540385, AI553705, AI560116, AI241686, AI193423, AI693949, AI537952, AI597949, AI634035, AI611389, AI611553, AI682386, AI683578, AI693805, AI768671, AI867561, AI886373, AI923469, AI949226, AI954101, AI926476, AI933509, AW080109, AW139569, AW196310, AW270798, AW339354, AW419242, AW438925, AW438954, AW439454, AW589958, and AW664256.
			15 - 1640	AL527164, AL527839, AL514782, AL536735, AL518072, BG024257, BE795777, BF026526, AL537441, BF975691, BF341111, AL514781, BG105599, BE903233, BE898569, BE792580, BG261299, AL527185, AU120395, BG166679, AW080554, BF967371, AW955237, AU121282, AU117251, BF791599, BB902632, BE796242, AI58872, BE887734, BG115128, AU138639, BF31365, AU142345, BG034760, AU121385, BG250054, BE030407, BG024260, BF308126, BE743312, AL52590A, BE744253, BF205667, BG111708, BE540628, BE313964, AA496378, BG121374, BE261264, BE311980, BE513834, BE781447, AW247572, BE277842, BF310559, BE535591, BE788545, BE387641, AI663974, BE538636, BE612617, BG261182, BF981772, BE271919, BF125776, BE889256, BE888260, AI564601, BE905744, BG115574, AL513793, AL121431, BG181109, AI446750, AA641701, BE539119, AI560930, AL517527, AW411104, AI92630, AW276502, AI610238, BF220299, AA102420, BE219749, AI926469, AL523458, AI192157, BF343366, AI912388, AA002110, AA074621, N21477, AI628338, BF973528, AA649260, BE297689, BF034299, AL517528, BG257548, BF530987, AU135237, BG232078, AA558097, AA522518, BG119557, AU123651, BE536918, BE296143, AA604288, AA875907, AU164471, BE735109, AI289499, AA506304, BE04251, AI961661, BF215827, BE514762, BE260895, AA670129, AU136643, AU195684, BE873374, BE533835, AW247596, AA864634, AA917007, AI540345, BG258952, AI143603, AI338563, BE885987, AL046672, BF304123, AV645382, AU147209, AW245677, AA196455, AU134273, BE889262, BE897990, BF025652, AU155362, AU160476, AW245173, AI534428, AI53671, AA862100, BE685680, BE312998, AW014306, BE789219, N34770, BG026051, AI950493, AI636618, AA262489, AW411103, AI69832O, AI697217, BG122470, AA741299, BE266090, BE296809, AU134286, BF304266, BG256203, AI753428, BE886432, AI023839, AI015079, AU14442, AI631405, AW44444, BF981697, AI275963, AI678415, AI808927, AI43585, BF434641, AV655399, AI560659, BF695821, AA306056, AW609529, TI1713, AA427604, AA543052, AA983556, AV932336, W68689, AA505895, AA429337, AA113237, AA69545, AI199709, BF307574, BE883461, AU147134, BF03849I, BF686238, W28744, AI10732, AI537255, AA262495, AU134335, AA610359, AV7319A, AI12877A, AA281150, AA90259B, BE747356, W42562, AA135443, AA665957, BE514350, BE391973, W27437, BE784198, AA05834S, AA281148, AA113238, AA513837, AA581590, AA082543, AA350533, AA582792, AA83643, AA045701, CI7986, AA052949, AI862718, Z37166, AFI18128, M75168, AB000882.

2245

HKIX:H35	770	1051883	1 - 3242	15 - 3256

15 - 3256:

AP000506, AC006046, AB000876, AI251914, AF029061, AF029062, AC007080, Z34846, AC004181, AB000877, Y14768, AX021843, AC006048, AP000509, D84394, AR007325, Z60417, T49096, T60318, T60343, T73610, T86952, T87035, T91898, T78342, T78425, T8731, T85707, R05489, R52043, R52044, R7425, H14564, H14565, H25121?, H25128, H25397, H28138, R93933, H49204, H49392, H56182, H56399, N2?340, N74337, N99879, N99762, W05245, W42457, W69366, W69367, AA035632, AA045700, AA05431, AA063246, AA062627, AA063463, AA085287, AA085352, AA113745, AA115126, AA114094, AA135990, AA243204, AA425871, AA230249, AA230211, AA533902, F15252, F15253, AA574005, AA578447, AA715747, AA902841, AA968987, AI005600, U46332, N83494, W21942, N86179, C15086, AA454816, C74992, AA778615, AA778682, D20823, AI269564, AI302402, AI497661, AI566592, AI580457, AI133847, AI186195, AI206657, AI538041, AI301470, AI680098, AI698398, AI698862, AI783969, AI916427, AI926762, AW057647, AW105589, AW058258, AW152203, AW262108, AW192386, AW512866, AW515825, and AW614736.

1 - 3242:

AW205447, AI065094, AW964935, BE968469, AW134872, N30643, BE219501, AI742578, BG057325, AI891033, AI309774, AI866497, BE272511, AW964934, AA243860, AW961272, AI819316, AA446193, AA418213, BF448128, T54100, AA663283, AU147645, AI498023, AW014482, AW612324, AA603772, AI631853, BF877539, AA565242, AA418042, AI049129, AW136164, BF838315, BF838320, AA04154, BF877514, AI680041, AI538964, BF840434, W90813, BF877510, BF877488, N35951, AW957569, BF877537, AW149493, AW149682, AI819933, AI400119, AI017775, BF877538, BF877520, AI004359, BF877487, BF055085, BF838185, AI138809, BF854371, AI765994, AA635018, AA436048, BF877496, AA420986, BE048276, AA233090, AI075147, BE884809, BF877493, BF877500, BF877532, AA435951, AA021446, BF877527, AA595875, BF889138, TI0241, AI248595, AI12457?, AI435340, AA42954, AV721808, AI245399, AA401648, AA305569, BF877490, AI937178, W00813, AI082756, AA773447, BF877485, BF877492, AA469970, AA569683, AI400194, AI435921, AA39843?, AI493355, AA580167, AA446192, W90757, AI613081, R51002, BE840016, BF877534, BF877530, N37077, H69187, N69260, AW130125, AI561127, H66544, H79381, F35822, BE908093, H70086, AA350996, AI689707, R26487, H53600, AA326184, AI918254, H69188, W01943, AH40338, AA044062, R23981, BF877531, BF877484, AI914265, R23807, F26489, TI0240, BE767903, R00842, AA283051, N68500, H66130, H69671, R88908, AA000690, BE924972, AA569594, AI668851, BF838277, AI245534, AI538860, BF877498, R52123, AA013487, AA378268, R45600, AW889953, BF090500, BF090509, R93201, HR840730, HF838191, AA79678, R14613, T54193, H79270, H92040, AU121916, AI369377, AI702849, BE698298, BE904920, BF830432, BG026746, AK022302, AB023216, AC007707, AL033376, AC026168, AL022401, AC007158, AL109754, AL031656, AL049175, AI258346, AL163283, AL390965, AC006041, AL033539, AC006972, AP064863, AC011751, and

HHEB92	771	1051903	1 - 4312	15 - 4326	R33063. AW971745, I27320, AB026436, and AR080280.
HPTGB84	772	1051953	1 - 853	15 - 867	BE379478, AI51940, BE736832, AI18527, BG110885, BE737145, BE971627, BG113959, BF314524, BG109261, BF055550, BG109783, BF127747, BE786146, BG252959, AI149525, BE621303, BF795273, BF313208, BE885912, BG034281, BF307357, BE867948, AI806664, AW275083, AI061604, BE270221, AI870967, AW275075, BF971533, BG112482, BG112484, BE785489, BE546390, BE378249, AA497057, AI138600, BG054813, AW964838, AV756448, BE855445, BE536788, AI479952, AI246262, AW673935, AI185743, AA830546, BE620453, BE621749, AI802437, N28845, AI03428, AI93142, AW268994, BG165623, AI418408, BG253819, AI742943, AW556695, AI046748, BF344884, AI202120, AI147114, AA542933, AA497134, AI14476, AI199331, BE995676, AI150814, AA410970, W79405, AA009751, AA002106, N41905, AI33142, BE857221, AA62772, AI14333I, AA022637, AA808093, AA504401, W79518, AI810638, AA761599, AI417395, BG260133, AA568559, AI023970, AI095050, AI209035, AI362792, N31052, AI498037, AA846602, BE620682, AI570460, BE965683, AI161081, AI278848, AI310326, AA443683, AI075863, BE831944, AA505711, BE831950, AA419552, AI090277, AI187011, AW675097, AA594429, BG255846, AI934684, AA312223, AA143434, BE831941, AA009752, AA005006, W95427, AA345822, BF590209, AA035194, AA576277, AA954873, AA576429, AI797328, AA143435, AA005054, BF765520, AA022648, W24400, AI242550, AW150207, W24390, R01078, AI080521, AA447070, AI125782, AA429368, BE831899, AV693940, AW085314, AA157417, AA235273, H58468, BE831943, BF325592, H47561, AA384046, W9554, BE831900, AA765682, AI018452, R68502, N93667, AA459809, AA002105, AA737941, AA341512, AI018031, AA806519, AV745991, H47562, AI351234, AA968607, AA449139, BFI11426, N92318, AI354927, AV743970, W24428, AI21347, AI887041, AA427981, BF838748, AA035193, AL519939, R01805, N93676, AW084368, BF359878, AA504139, AA704246, W86336, BE906008, BB810959, AA877686, AI515871, AF090922, and AC005740.
HVCCD05	773	1051983	1 - 955	15 - 969	BE210057, AI084904, AW135444, AU139879, AI937665, N87764, AA974074, M89914, AR029030, I36272, M82814, M38106, M38107, M61213, L10370, AC004526, AC004222, D45201, M69915, D30730, M82826, M82825, D90731, M82824, U17683, M84131, U17684, AF130776, AR011748, AF031610, U17685, U17682, U35694, and U35691.
HPYSC40	774	1052158	1 - 822	15 - 836	AA779751, AA476904, BF056494, AI047797, AA456220, AA402723, AA291495, AA293088, AI151391, AA452764, AI18355, AI086276, AA477016, AW236294, N30632, AA706816, AA436221, AA404631, AA433965, AA293479, AA235001, AA478226, AA495907, AI276581, AI264648, AI420208, AW044154, AI080180, N42277, AA252967, AI74212, AA465721, AI274168, AI092818, AA452585, AA495908, AA402883, BF446967, AA854990, T28299, BF507811, AA653664, AI420297, AI742059, AA434011, AI092114, AA405395, H52337,

HDDMT56	775	105226 1	1-940	15-954	DF511864, AA430486, AI826712, W02698, HS2240, DF509153, BE858944, AI369971, AI804952, AI048051, AI597661, AA404733, AA479874, BF589533, W25651, AI273712, AI420511, DF510668, AI418020, AA479731, AI865541, AA228076, AA421247, AA421246, AI656233, AI826968, J04129, M61886, AL050169, M34046, AF021261, and AA479738.

Column "1-940":

BE791889, AV717926, BGI11059, AW026224, BE731340, AW129431, AW04302, AW044311, BF969263, AW026502, AI024363, AV764439, AV755780, AV703541, AV756180, AW005536, AV756181, AA04491, AV717648, BF698603, AA044836, BF185808, BE838602, AI884653, BE566092, BG236392, W73840, W72164, BE568051, BF446110, BG030132, BF432321, BG231607, W74588, AA58411, AA04721, BF438576, AV361071, AI359202, BE695891, BE045437, AW968454, BE85732, AW952892, AI400180, AI127248, AI361026, AI351761, W73696, AI361044, N93769, AW853077, AA188813, AI346807, AI873700, AA478929, AI564814, AI148800, BE960901, AV576052, AA844073, AI580492, AI359751, W15164, AI871309, AI159826, AI090121, AA459134, N56653, N92789, AI125882, AA936153, AA477040, AA484279, AA647857, AW026355, AI285239, AI024076, W20518, AI193641, N93574, AA130015, AI041348, AV756064, W07735, AV708855, BE728941, AA410661, AA706702, AI359593, AA722839, AW004870, AV707248, AA829863, AI202724, AI276819, AA431145, AW978868, AA432164, AW627741, AW592913, AI199842, W39004, AI193714, W39225, AA291941, BE972734, AI056225, AI344438, N80763, AA988362, AA383031, R99845, BF130957, A445991, N78715, AA627324, AI500185, AI205678, AV653961, AA864928, AI589231, AA309919, A293627, AA962487, AI474384, N29679, AV660336, AA130014, W24818, AV698101, AV660285, AV660175, AI077593, AV660215, BF351943, AW016040, AA651617, AA009876, C04433, BE766092, AI342842, AA747913, AA446267, C04962, AW020834, R23666, AA355416, C02690, N92536, AI561151, H56634, AI051799, AW040701, AA111947, AI420808, H99820, W07552, C05537, N24516, AI74400, AA280534, BE843719, AA315628, AA383092, AA382428, AA009528, BF740125, T80744, AA749010, N87803, BF208266, AI139832, AA085812, F26702, C05473, AA044811, N49380, T84122, AI867943, AA747825, AI687396, AA832270, AV650894, AA565864, AI083802, AI146601, AA432414, BE350230, F35829, AA731123, N49470, AV718225, H30789, AA235564, AW999222, BF242556, T89356, T80634, AV736105, AA937994, AA45396, BG165709, AV736287, AA731103, C01741, M85658, AW877209, AW791127, AL134524, AI119324, AW969680, AW975037, AW975002, AW968816, AW975031, AW972845, Z99396, AW976673, AW971975, AW974801, AW79228, BF868697, AW979204, AW975876, AW966673, AW975952, AW972292, AW976024, AW975019, AW979002, AW971403, BG058418, AW975632, AW975032, AW975954, AW975965, R99846, AW974786, AW975154, AI119467, AW976023, AW971968, AW975628, BF868687, AW973717, AW974964, AW972867, AW969643, AW975027, AW979098, AI250393, AF110775, AF161497, AI250394, AX017873, AR066494, AX046357, AR060234, AX030435.

HVVAW02	776	105255 3	1 - 872	15 - 886	AJ279014, A81671, A251859, AR023813, AR064707, AR069079, AR054110, AE026436, AR096546, AR096545, and A285003.
					AL537587, AL529658, AU123248, AU117113, AL53688, BF528711, AU137828, AU421201, BI904707, BE791254, BE745009, BG109317, AI570622, AI570004, AI989579, AW961469, BG108425, BF383127, BE176810, AI83038, BF696193, AW468544, AA779618, AA54978, AW009553, AI560971, BG230611, BE264327, BF589342, AA700346, BF031165, AV705472, BG119892, BE551429, AA236469, BF217607, AA975622, BE855531, AI241179, AV72476,I AV705812, BE176927, AA232654, AA425074, AW304107, AI089284, BE884892, AI368096, BF697812, AI348181, BF668864, AA186811, BF817290, AI766352, R3279, AI142022, AW886555, AA584043, AA974548, AI124517, AA282137, AI400118, AW297715, AI057075, AA701672, BF154541, AI272148, AA77293,8 H53622, R53868, AA514023, AA51591, AA316638, AI33059, AI924107, AA641382, AW86216, AW86217, H74214, AV720966, BF06965, AI81718, AW94891, BF37112, BE83954, BF090575, T87908, AA971632, AW86135, AW86133, R66643, BF37115, AW95681, N62470, AW88886, H16343, AW998773, H60947, F15800, AA53438, A432062, AL039198, AA310143, AW360979, AA614390, AA621437, F11167, A937689, AA332239, BE245833, A158144, BF932809, AV722305, BF760088, AA665032, AA365208, AI630339, AW768928, H73698, T88002, BF760401, R20909, AI830513, BF575067, BF932781, BF887248, BE763671, AA365209, AV700237, BF760085, AV704383, AA344235, AW372989, AA363457, BE767071, BE216049, AA216158, R50400, R47763, F07468, N79190, R67362, N73190, BE242768, BF764294, BI607200, BE695812, R20797, AW902331, AA361116, BG231332, AA234237, AW373134, AW834746, AW934899, AW888862, AW386061, AW388860, AW373135, AW373133, AW349906, BG003243, BF129853, L12387, M32886, X04656, AC05075, ALI21872, AC013412, and AC003991.
HOGCS42	777	105255 7	1 - 1746	15 - 1760	AL526995, AU133713, AU122264, AU133716, AU133816, AU133901, AU121966, BE792903, AU144149, BE786350, AU133817, AU136746, BG254161, AU133578, AU133887, BE907881, AU121817, AU133655, BG260814, AU121966, AU133752, AU136516, BG179180, AU133916, BF003418, BF037422, BF036516, AU134354, BE734836, AU138430, BE873066, BE875603, AW844114, AU133630, BD616872, BE880804, AU122380, BE871117, AU134380, BE871864, BE902820, AU133469, BE536853, BG256045, BE304643, AU133618, BE787818, AA523290, AU147972, AU138507, AA700004, AW272220, AW170580, W74492, BE812430, BF446247, AU147690, BE870378, AI859845, AW935041, AI991311, AA522795, BG254485, AU136509, AI081052, AU155374, BF681403, AA53079, AU159009, AI400364, AI335984, AU147786, AU155390, AW193221, AW874638, AU155077, BE564185, AW170345, AA622540, AU155064, AD73767, AW749774, AW770097, BF445088, AW168283, AI118508, AA565989, AI559433, AI420481, AI246782, AU157642, BF182989, BF825787, AW815382.

2249